

19990119.qrp v01_n341.qrl.990119

Date: Tue, 19 Jan 1999 19:04:33 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1341

QRP-L Digest 1341

Topics covered in this issue include:

- 1) [30128] Antenna musings
by Vic Rosenthal <rakefet@rakefet.com>
- 2) [30129] Re: OHR-100(A) building Project.
by "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>
- 3) [30130] Re: New Topic Heading TCI-RFI-FCC
by "Ed Hare, W1RFI" <ehare@arrl.org>
- 4) [30131] RE: Tower as Antenna
by "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 5) [30132] Re: Qro-dx
by "Joe S" <joe@quadj.com>
- 6) [30133] Phonex "Wireless Modem" RFI (Long)
by Dave Lichtenwalner <alphabet@bellatlantic.net>
- 7) [30134] Re: Variety of info on QRP-L
by CQCL@aol.com
- 8) [30135] Re: Soource for Morse Code Key Knobs ?
by CQCL@aol.com
- 9) [30136] fancy keys
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 10) [30137] Linux vs BeOs
by "The one and only!" <mitch96@pobox.com>
- 11) [30138] Re: Receiver kits and project ideas.
by "Harry, WA3PTG" <hhurst@delaware.infi.net>
- 12) [30139] FS: TenTec Argosy II and Accessories
by DaveLeDuc@aol.com
- 13) [30140] TechAmerica Digital Soldering Station question
by "John Burnley" <burnley-ia@worldnet.att.net>
- 14) [30141] The Pomo ATU continued & a new CD
by nilsbull@juno.com (Nils R Young)
- 15) [30142] FS qrp items
by RangerSF5@aol.com
- 16) [30143] Two simple questions...
by "Richard K. Evans" <rkevans@iag.net>
- 17) [30144] Re: Demaw book search
by "Steve Miller" <kg7pv@hevanet.com>
- 18) [30145] Re: Qro-dx
by Wayne Alexander <walexan@ipa.net>
- 19) [30146] ZL9CI how often is log updated?

by PUNISHER3@aol.com

20) [30147] AL7FS Beacon is off
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>

21) [30148] Any trouble shooting experts on the list?
by Jeff Johns <jeffj@scott.net>

22) [30149] Re: OHR-100(A) building Project.
by K0RWC <rwc@frii.com>

23) [30150] Re: ZL9CI how often is log updated?
by Paul Erickson <paule@sfu.ca>

24) [30151] Kester solder types
by The Boices <boice@bigfoot.com>

25) [30152] Re: Qro-dx
by "Gary Evans" <gevans@lightspeed.net>

26) [30153] Re: AL7FS Beacon is off
by Jeff Johns <jeffj@scott.net>

27) [30154] Re: Variety of info on QRP-L
by "Frank Grigaliunas" <fgrig@iea.com>

28) [30155] Re: ZL9CI how often is log updated?
by Tom Palmer <n1tp@worldnet.att.net>

29) [30156] Re: Variety of info on QRP-L
by Jeff Johns <jeffj@scott.net>

30) [30157] Gentleman's agreements... AND QRP (was CW...the death...)
by Peter Larsen <larsenp@cadvision.com>

31) [30158] Re: Any trouble shooting experts on the list?
by Jeff Johns <jeffj@scott.net>

32) [30159] Sub?
by "Roger A. McCarty" <rmccarty@earthlink.net>

33) [30160] Re: Any trouble shooting experts on the list?
by Peter Larsen <larsenp@cadvision.com>

34) [30161] Re: Qro-dx
by Peter Larsen <larsenp@cadvision.com>

35) [30162] Re: RFI from TCI wireless modem jacks
by Mike Boatright <ko4wx@mindspring.com>

36) [30163] SPICE/PSPICE Software..
by "William Phinizy" <k6whp@gte.net>

37) [30164] Replacement Mike Element for HR-2510
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>

38) [30165] Need new Dxcc country in your Log?
by Alen Mitrovic <alenm@hermes.si>

39) [30166] opinions on MFJ-40 meter rigs
by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>

40) [30167] Amidon cores
by W6RCecila <w6rca@ibm.net>

41) [30168] Re: Kester solder types
by Ben Pooley <bpooley@bar.auracom.com>

42) [30169] Re: Kester solder types
by k5zty@juno.com

43) [30170] [larc-1] [INSTRUCTORS:16] scr

- by Scott Howell <showell@hq.nasa.gov>
- 44) [30171] Re: Any trouble shooting experts on the list?
by Michael Maiorana <mikemo@ibm.net>
- 45) [30172] Argo 505 Price
by "John Humphrey" <jhumphre@ultra-tech.com>
- 46) [30173] Pre-FYBO adventure NO JOY!
by "Steve/n0tu" <n0tu@webaccess.net>
- 47) [30174] Power supply questions.
by Patrick Franzis <old_radios@yahoo.com>
- 48) [30175] New rig on the air
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 49) [30176] RE: Receiver kits and project ideas.
by Sam Billingsley <SBillingsley@usaninc.com>
- 50) [30177] FW: New Topic Heading TCI-RFI-FCC
by "Hare, Ed, W1RFI" <ehare@arrl.org>
- 51) [30178] [Thomas] Pins May Come Out Today
by "Tracy Markham" <tracy@bytemark.com>
- 52) [30179] OHR100A Sale/Trade
by rbcallahan@juno.com (Robert B. Callahan)
- 53) [30180] Cutting PC Board
by Larry East <w1hue@amsat.org>
- 54) [30181] Re: The Pomo ATU - Switching inductances
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 55) [30182] For Sale: OHR500 needs assembled/Question
by cdd@bellatlantic.net
- 56) [30183] QRP TV
by SABorns@aol.com
- 57) [30184] Choke Baluns
by "James R. Duffey" <ji3m@maxwell.com>
- 58) [30185] Re: Gentleman's agreements... AND QRP (was CW...the death...)
by Bruce Muscolino <w6toy@erols.com>
- 59) [30186] Re: [spam 03.58/10.00 -pobox] Re: Linux vs BeOs
by "The one and only!" <mitch96@pobox.com>
- 60) [30187] Re: Cutting board stock?
by "Dan Tayloe" <Dan_Tayloe-P26412@email.mot.com>
- 61) [30188] Varactor tuned oscillators
by "Brad Hernlem" <alihernlem@hotmail.com>
- 62) [30189] RE: Sub?
by "L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529" <pilant@seesaw.ENET.dec.com>
- 63) [30190] Re: Kester solder types
by "Phillips Richard" <phillips@msoe.edu>
- 64) [30191] Re: opinions on MFJ-40 meter rigs
by RangerSF5@aol.com
- 65) [30192] Re: Pre-FYBO adventure NO JOY!
by Paul Harden <pharden@aoc.nrao.edu>
- 66) [30193] Re: OHR-100(A) building Project.
by Ed Loranger <we6w@juno.com>
- 67) [30194] 38 Special Capacitors

by "Leonard J. Barish" <barish@kutztown.edu>
68) [30195] SOLD: IC720A
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
69) [30196] Server Problems
by "Dick Witzke" <grp@ohr.com>
70) [30197] SWR readings
by "Edward A Kwik jr" <eakwikjr@hti.com>
71) [30198] Re: opinions on MFJ-40 meter rigs
by Chuck Leskie <cleskie@um-f1.umd.umich.edu>
72) [30199] test
by "Dick Witzke" <grp@ohr.com>
73) [30200] TCI RFI from Wireless Modem Jacks
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
74) [30201] test
by "Dick Witzke" <grp@ohr.com>
75) [30202] RFI problem-Phonex 800 number
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
76) [30203] Re: For Sale: OHR500 needs assembled/Question
by "Michael A. Gipe" <mgipe@reliablemeters.com>
77) [30204] TNX ALL on WBL info
by cdd@bellatlantic.net
78) [30205] Re: fancy keys
by "Michael A. Gipe" <mgipe@reliablemeters.com>
79) [30206] RE: QRP TV
by Mike Leister <leister@baghwan.nsc.com>
80) [30207] It sold Locally
by "Robert B. Callahan" <rbcallahan@juno.com>
81) [30208] RE: Receiver kits and project ideas.
by Yaacov@barcode.co.il
82) [30209] mobile on 28.060
by tom whalen <wb5qyt@eFortress.com>
83) [30210] Son of a Fireball...28.060
by tom whalen <wb5qyt@eFortress.com>
84) [30211] FYBO....op's wanted!
by tom whalen <wb5qyt@eFortress.com>
85) [30212] RE: ZL9CI how often is log updated?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
86) [30213] Re: Varactor tuned oscillators
by Chris Trask <ctrask@primenet.com>
87) [30214] RE: TCI RFI from Wireless Modem Jacks
by Sam Billingsley <SBillingsley@usaninc.com>
88) [30215] RE: Receiver kits and project ideas.
by "Ed Tanton" <n4xy@mindspring.com>
89) [30216] RE: Receiver kits and project ideas.
by Sam Billingsley <SBillingsley@usaninc.com>
90) [30217] Sierra PA Xfmr Mod
by John Evans - N0HJ <jaevans@codenet.net>
91) [30218] crystal

by bkobie@webtv.net (patrick obrien)
92) [30219] MFJ
by bkobie@webtv.net (patrick obrien)
93) [30220] Re: opinions on MFJ-40 meter rigs
by W5TB <w5tb@SoftHome.net>
94) [30221] qsl cards
by bkobie@webtv.net (patrick obrien)
95) [30222] OHR-100A Project.
by Ed Loranger <we6w@qsl.net>
96) [30223] Re: Pre-FYBO adventure NO JOY!
by Bob Patten <n4bp@bc.seflin.org>
97) [30224] Re: ARRL (was: TCI RFI...)
by Vic Rosenthal <rakefet@rakefet.com>
98) [30225] Re: Son of a Fireball...28.060
by William-McShan@ouhsc.edu (Mike McShan)
99) [30226] RE: TCI RFI from Wireless Modem Jacks
by Danh Le <dle@san-jose.tt.slb.com>
100) [30227] RE: OHR-100A Project and expanding foam
by Sam Billingsley <SBillingsley@usaninc.com>
101) [30228] ZL9CI QRP 5W
by Tom Palmer <n1tp@worldnet.att.net>
102) [30229] TCI response to RFI on 80/40 cw bands
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
103) [30230] Thanks!
by Jeff Johns <jeffj@scott.net>
104) [30231] Re: Receiver kits and project ideas.
by "Harry T. Hurst" <hhurst@delaware.infi.net>
105) [30232] Milliwatts to Alaska
by Jim <kj5tf@madisoncounty.net>
106) [30233] Re: Pre-FYBO adventure NO JOY!
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
107) [30234] How low can I go? Milliwatt fever
by Jim <kj5tf@madisoncounty.net>
108) [30235] Re: Any trouble shooting experts on the list?
by Arjen Raateland <Arjen.Raateland@vyh.fi>
109) [30236] XQ0Y (Juan Fernandez Isl.) on 2 Watts
by w4pj@w4bkx.ampr.org

Date: Mon, 18 Jan 1999 15:36:18 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30128] Antenna musings
Message-ID: <36A3C572.94C7FB89@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Has anyone any experience with the Sommer TC25 25-foot terminated vertical antenna?

<http://www.sommerantennas.com/tcs25.html>

I'm looking for a less-visually impressive antenna to replace my 40-meter dipole at 50' (no, the dipole isn't 'visually impressive', but the supports unfortunately are). I use the dipole on 80/40/30/17/12 meters, fed through a matchbox with ladder line. It cannot be made to load on 160, and works well on 80 for QSO's closer than 500 miles. It (the dipole) loads well on all bands, although performance is not very good on 30 meters for some reason.

My gut feeling is that the Sommer antenna might be better for DX on 80, equivalent for DX (but worse for short distances) on 40. It allegedly works on 160, but I can't imagine that it would be worth much on that band.

Any other suggestions? I could build something simple for 17/12 meters, but I'm not sure of the best approach for 80/40/30 (and possibly 160). I have NO room except the top of my roof, which, however, is relatively flat.

73,
Vic, K2VCO
Fresno CA

Date: Mon, 18 Jan 1999 15:56:01 -0800
From: "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30129] Re: OHR-100(A) building Project.
Message-ID: <199901182353.PAA17003@newspaper.cwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>
> Initial measurements: VFO was up nearly 200 KC's and
> I could only get it down to about 65 KC's from where it
> needed to be. So I re-wound L114 with 1 more turn. This
> and some wire manipulation got the rig right on the money.
>

I finished my OHR-100a a few weeks ago. This was my first

major kit building project and it was a total blast. I to needed to add an extra turn to L114!

Barry - AD6HR (formerly KF6RDI)

Date: Mon, 18 Jan 1999 18:53:36 -0500
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@lehigh.edu
Subject: [30130] Re: New Topic Heading TCI-RFI-FCC
Message-ID: <36A3C980.2EDF@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike Boatright wrote:

> It might not be a bad idea to get the ARRL involved. At least before
> going en masse, we ought to be sure they are aware of the situation.
> They have a strong relationship with the FCC and could have influence
> over the manufacturer. Certainly, they are capable of making a
> technical assessment of the problem. Zach runs a pretty good lab...

> No flames please. I know there are folks on both sides in opinions
> regarding the League. It just seems prudent to avail ourselves of their
> experience in this touchy area.

That's okay, Mike, I have pro and con opinions about different things that the ARRL does myself. :-) In this case, however, it looks like we can all agree. See <http://www.arrl.org/tis/info/rfiteljx.html> for an update.

> My cable company is so bad that when I complain about interference, they
> usually end up making it worse...

On a more general note, the ARRL maintains pretty good contact with the cable industry. I have a contact on the Society of Cable Telecasting Engineers Board of Directors who has been very helpful in getting ARRL and hams with problems with cable companies in touch with the corporate-level engineering staff at various cable companies.

The new ARRL RFI Book has a chapter devoted to cable TVI. It contains a reprint of a 3-part article I wrote for Communications Technology, the journal of the SCTE.

If hams have a problem, first try to resolve it with your cable

operator. If you make a copy of the CATVI chapter in the book and show it to them, they will believe what it says -- it is from THEIR industry journal. (There was a method to my madness... :-)). If that doesn't work, contact me at ARRL HQ at w1rfi@arrl.org with all of the details. I will help get you in touch with the right people in the cable industry. If the voluntary approach is not successful, we can also help coordinate your interaction with the FCC. I am working on formalizing a relationship where the FCC will take over after hams and the ARRL have made a reasonable effort to work with the cable company.

73, Ed Hare, W1RFI
ARRL Lab Supervisor

Date: Mon, 18 Jan 1999 16:25:30 -0500
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@LeHigh.edu>
Subject: [30131] RE: Tower as Antenna
Message-ID: <000001be433f\$539dbe40\$04000a0a@nwarfiel.usf.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Using a grounded tower as an antenna is one thing when it is self supporting... and another quite different thing if it has guy wires that are NOT INSULATED.

A self supported grounded tower , may be fed with a GAMMA match, may be fed using a shunt-feed slant wire match or better yet, as I said before ... be CONVERTED to a FOLDED MONOPOLE...

Let's take a look... with due permission from L.B, Cebik and without math....

GAMMA MATCH... , when properly designed and installed , if the tower has "enough" electrical degrees of height , will WORK...

Of course that you will need a nice set of RADIALS...if the tower is 0.25 wavelength high or less..

If the tower is 180 degrees high (half wavelength) a ground matt and shorter radials will do... pattern is expected to be almost omnidirectional...

NOW... a slant wire feed,will also work on the grounded tower, and that is in the bag of tricks of old broadcast transmitters engineers like yours truly if the base insulator of a pararell or series fed tower breaks down... You can keep the "good ole station" on the air by using a slant wire feed... BUT your antenna pattern will be DISTORTED... anyway, the important thing is that this system works, your station will be on the air, and cancelling the

XL of the slant wire is very easy job if you have a nice impedance bridge at hand... At low power stations, you can do it with a variable capacitor, and tune it for minimum SWR !

The FOLDED MONOPOLE approach is in my opinion the best way of feeding the grounded tower...

I disagree with Brad about feeding a grounded tower , with grounded guy wires and expecting a good radiation from the system...

It may work at some frequencies... the guy wires will certainly resonate at some other frequencies and their odd harmonics... Then add to that the capacity hat effect of the upper guy wires etc etc...

One MAGIC solution, replace the metal guy wires with something called PHILLISTRAN or something like that... beware , that's expensive stuff...

Then you can work with the grounded and guyed tower as if the guys were not there... PHILLISTRAN is a polymer...and a good insulator...

Arnie Coro

C02KK

Date: Mon, 18 Jan 1999 18:14:03 -0600

From: "Joe S" <joe@quadj.com>

To: <ac5ez@webtv.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [30132] Re: Qro-dx

Message-ID: <014d01be4340\$9fe36380\$02d132ce@joes>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Way to go Larry, worked them on 15M QRO (long path)the other night also....but just got them on 10M at 10W :) He was loud in TX and calling CQ with few responses. It has been a great DXpedition, I have heard them all over and on several modes.

72 Joe KK5NA

-----Original Message-----

From: Larry B <ac5ez@webtv.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Monday, January 18, 1999 5:53 PM

Subject: Qro-dx

Found ZL9C on 15m, two calls and he is in the bag, 100 w to a vertical.
Not qrp but cool.
k1zw

Date: Mon, 18 Jan 1999 19:16:44 -0500
From: Dave Lichtenwalner <alphabet@bellatlantic.net>
To: QRP-L List <qrp-l@Lehigh.EDU>
Subject: [30133] Phonex "Wireless Modem" RFI (Long)
Message-ID: <36A3CEEC.B8F3AA7@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Saw the the discussion on web archives. I'm currently in list postpone mode, so sorry if someone already posted this.

> The ARRL Letter
> Vol. 17, No. 51/Vol 18, No 1
> December 25, 1998/January 1, 1999
> -----
> COOPERATION CURBS "WIRELESS MODEM" QRM
>
> A maker of "wireless modems" and a cable TV company that's been installing
> the units across the US have told the ARRL they'll do whatever it takes to
> keep the devices from causing interference to amateur HF bands. The ARRL
> contacted the two companies after receiving reports from members of the
> Northern California Contest Club about 80-meter interference from the
> devices. The devices, manufactured overseas by Phonex Corporation of
> Midvale, Utah, operate under Part 15 of the FCC's rules. This means that
> they may not cause interference to licensed services.
>
> "Although the Phonex has complied with required FCC regulations, the ARRL
> has identified a potential interference problem on the low end of the
> 80-meter band," said Phonex Senior Engineer Scott Bullock, KK7LC. "We have
> several hams in our organization, and we do not want to cause any
> interference to any amateur band."
>
> Wireless modems are first cousins to wireless telephone jacks used to
> provide additional telephone jacks without wiring. Both are sold in pairs.
> One unit plugs into the telephone connection while the other serves as a
> telephone or modem jack; both plug into convenient ac outlets. The
> carrier-current devices impose RF on the power line to transmit data back

> and forth in the form of wideband FM.
>
> Other units made by Phonex and sold as wireless extension telephone jacks
> under other brand names operate on 3.025 and 6.436 MHz, where they generally
> will not affect the ham bands. Unfortunately, the Phonex wireless modems
> operate on 3.52 and 8.27 MHz. Cable giant TCI has been installing these
> units in some subscribers' homes to make a convenient connection from the
> cable box to the telephone line to transmit billing information. Wireless
> modems transmit a continuous carrier on the lower frequency, whether the
> phone connection is in use or not, and on both frequencies when the remote
> line is in use.
>
> ARRL Lab Supervisor Ed Hare, W1RFI, says the League received reports in
> mid-December about persistent interference on the low end of 80 meters and
> on other bands. The interference, consisting of discrete, somewhat noisy and
> drifting carriers, typically showed up around 3520 to 3530 kHz, but
> harmonics have been reported as high as 20 meters. ARRL Lab tests verified
> that the devices pose a serious QRM problem on the lower part of 80 meters
> and possibly on other bands.
>
> FCC rules permit the unlicensed devices to radiate signals on HF of up to 30
> uV/meter, even on an amateur band. Device operators--TCI in this case--must
> correct any resulting interference, however.
>
> TCI Senior Engineer Tony Werner said TCI plans to eliminate the 3.52 MHz
> wireless jacks it's installed "as expediently as possible" by replacing them
> with 3.3 MHz units or by running a hardwired telephone connection. TCI will
> immediately replace units that cause interference and automatically replace
> other 3.52-MHz units during routine customer service and plans to use
> nothing but 3.3-MHz units in the future. Hams experiencing harmful
> interference they believe is related to these devices should contact their
> local TCI office. TCI says it will be at least a few weeks before it has
> service information and replacement units on hand.
>
> Phonex says it's made the necessary production changes to move the operating
> frequency of its units to 3.3 MHz. If one of its units causes interference,
> he said, Phonex will retune or replace it. Hams can contact Phonex Customer
> Service at 800-437-0101.
>
> "Both companies have been refreshingly cooperative," said Hare, who--as his
> W1RFI call sign reflects--is the League's point man for interference issues.
> "If every RFI problem that involves Amateur Radio could be fixed so quickly,
> I would probably be out of a job."
>
> Hare said hams with questions about this issue may contact him directly at
> ARRL HQ at 860-594-0318; e-mail ehare@arrl.org. Additional information is
> available at <http://www.arrl.org/tis/info/rfiteljx.html>
>

AR

72 Dave KA3EAJ

Date: Mon, 18 Jan 1999 19:27:39 EST
From: CQCL@aol.com
To: fgrig@iea.com, qrp-1@Lehigh.EDU
Subject: [30134] Re: Variety of info on QRP-L
Message-ID: <d592ee19.36a3d17b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

In a message dated 1/17/99 21:24:42, fgrig@iea.com wrote:

<<I have to agree. From the very beginning (I've been licensed for little more than a year), this group and members of it have given me good advice on all aspects of radio, as well as many other subjects. Because I finally got my QRO rig, I was thinking of also subscribing to a more general list, but I don't think I could find one that would be as useful.

--Frank, AB7YT>>

Frank:

Maybe I am misunderstanding you, but it sounds as though QRP is for beginners, when in fact many of us QRPers are very experienced hams (over 42 years myself) who use QRP because of the challenge. Instead of QRP being the stepping stone to QRO, I found it to be the opposite -- QRO was the stepping stone to QRP.

Good luck in whatever you do. The amateur radio hobby offers unlimited challenges.

72,

Rich High W0HEP
CQC #1, G-QRP #8446, NorCal
QRP-L #1817, ARRL - LM
Life=92s Too Short for \$800 Finals!

Date: Mon, 18 Jan 1999 19:27:34 EST
From: CQCL@aol.com
To: eakwikjr@hti.com, owner-qrp-l@Lehigh.EDU, qrp-l@Lehigh.EDU
Subject: [30135] Re: Soource for Morse Code Key Knobs ?
Message-ID: <f79cae44.36a3d176@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Also in a good hardware store, not the box stores, check their housewares dept. for cookware knobs, too.

Good luck,

Rich High W0HEP
CQC #1, G-QRP #8446, NorCal
QRP-L #1817, ARRL - LM
Life=92s Too Short for \$800 Finals!

Date: Mon, 18 Jan 1999 19:39:18 -0500
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@lehigh.edu
Subject: [30136] fancy keys
Message-ID: <19990119013506.FGXP25727@default>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think I said this once before, but it bears repetition.

It is my opinion that the price of the paddle is inversely related to the quality of the sending.

The best paddle I ever had was from Ham Radio Outlet, or some such thing, in St. Louis. It was plastic, crumby, and a thorough piece of junk. It also sent like a dream.

Second best was a Heath, which was part of a keyer,
all chintzy tin, but lovely to use.

The worst paddle I've used (thank god I didn't buy it)
was a beautifully machined and finished paddle, which
should be in a museum. Alas, it was a very difficult beast
to use. Almost impossible, I should say.

If you like pretty things, why not buy them? if you want to send
code, that's another matter. My current vote is for the MFJ
paddle.

Grump, grump, grump

73 jerry w8gnd

Date: Mon, 18 Jan 1999 20:11:39 -0500
From: "The one and only!" <mitch96@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30137] Linux vs BeOs
Message-ID: <36A3DBCB.58A6C06@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Any one familiar with BeOs??? i got this off the Langalist. Price seems
ok and if its economical (size wise) would it be qrp???
usual disclaimers

BeOS = Wow
(and it's only \$4.00!)
It's been a long time since any operating system gave me an honest-to-
goodness "Wow" experience. I'd had high hopes for Linux, but the 5.1
version of Red Hat Linux was more of an "Ow" than a "Wow," with
numerous rough spots and incompatibilities. (See
<http://www.cmpnet.com/voices/archive/100798langa.html> and
<http://www.cmpnet.com/voices/archive/101498langa.html>.)

Be, Inc., has been lurking in the background of the computer industry
since its founding in 1990 by former Apple Exec Jean-Louis Gasse. With

the new Release 4.0, the BeOS is finally hitting its stride.

I installed the BeOS on the same Intel-based system that had given Red Hat's Linux implementation so much trouble, and---surprise!---the BeOS recognized and worked with all my system peripherals.

The BeOS also avoids many of the other problems that Linux presents, and is, all in all, a nicely polished, fully commercial-quality OS with enormous promise.

A full version of the BeOS version 4.0 costs \$100, but you can test drive a BeOS demo for just \$3.95! (\$9.95 if you're outside the US.) At that price, you can't afford not to at least take a look.

--

mitch Ww4mL
Hollywood, Fla.

Date: Mon, 18 Jan 1999 20:21:32 -0500
From: "Harry, WA3PTG" <hhurst@delaware.infi.net>
To: <tjarey@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30138] Re: Receiver kits and project ideas.
Message-ID: <005601be434a\$0d7ded30\$354b9ace@wa3ptg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Take a look at: <http://www.qrp.pops.net/qrp/default.htm> it might not be the answer but it looks VERY interesting to me.

Date: Mon, 18 Jan 1999 20:21:43 EST
From: DaveLeDuc@aol.com
To: qrp-l@Lehigh.EDU
Subject: [30139] FS: TenTec Argosy II and Accessories
Message-ID: <c6dfb721.36a3de27@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

TenTec Argosy II, 80-10 plus 30 CW/SSB, digital display. 5 or 50 Watts output.
Includes 218 1.8Mhz filter, 224 CW filter, 223A noise blanker. Also model 225 power supply, model 234 speech processor and electret mike. All in excellent condition.
\$525 plus shipping from 03858

73 Dave K1EPJ

Date: Mon, 18 Jan 1999 19:44:57 -0600
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Subject: [30140] TechAmerica Digital Soldering Station question
Message-ID: <19990119014644.PYX18315@burnley-ppp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have the Tech America digital soldering station that is listed in the January Sale flyer? If so, please Email me privately and let me know how you like it. Thanks in advance!

72/73, John NU0V
burnley-ia@worldnet.att.net

Date: Mon, 18 Jan 1999 19:15:54 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [30141] The Pomo ATU continued & a new CD
Message-ID: <19990118.191559.3182.0.nilsbull@juno.com>

Gang,

If you ain't into Shakira, maybe you otter be. This woman sings! Y que pudiera saber si es turca o latina. O los dos.

Anyway, if I can focus here, I've put in about 14 hours on this Pomo ATU grows up project. So far I've discovered

1. A coil wound on a T-60 will take a lot fewer turns when wound on a

T-200.

2. The wide gaps on the two caps in the kW set up from long-back are insufficient (or grossly too much capacitance . . . it depends . . .)

3. I have probably lost half of the hardware on the two caps that I do have, so I have a tough time putting together a reasonable split-stator (using the little broadcast caps that Dan has [or the MRL has] is easy, 'cause they's so much picofarads for the size of 'em.)

So what I've got to now is

1. The small 5-watt version with the T-60 was easy, works easy & does so with only one switch for between "low" (3-10 MHz) and "high" (7-30 MHz), one switch to tie the output link to ground & one switch to turn the bridge on and off.

2. The big hootie powa version ain't as easy. I end up with a 6-position switch to add in extra capacitance (which is whimsical anyhooo . . .), a two-position switch for "low" (1.8 - 7 MHz, with much extra capacitance & help) and "hi" (maybe 10 - 28 MHz), 'cept that there's all these other switches to add or lay off capacitance.

And an engineer I ain't. So now I'm thinking: I'll try this with a smaller core (since I'm using the double stacked core that was once a 4:1 balun for the monster antenna system from a previous life [before Bob Vila]) & then thinking up a way to tie two of those Ten Tec 400 pf cap kits so they behave like a split-stator cap.

I figure that there's a condition of optimum "coil-hood" or "inductancitude" involved in this larger T-***-2 core form thing. The trick is to find the best way to do it.

Or I can make a bunch of different coils & figure a way to turn 'em in and out of the circuit . . . like the pile of little pi-networks that are on the input to a grounded grid amp. Or the turret deal that I've seen in the older radio books talkin' about big hootie power with tubes that have connections on the SIDE(!!??), fer cryin' out loud.

So, four days at work & then anniversary week end (we gave up on the cruise 'cause we never know what might come up next & all that paranoid delusionalism that's so cool & hip today).

But Cindy's brother & I are already talkin' big time cookin' at the beach this summer. So life persists in being, if not educational, at least interesting.

Like Dad used to say . . . "Chi[huahua], asi sea."

And besides, Shakira CD is done playin' and now it's back to the first Ornette Coleman CD. The only date he did with a piano & regular rhythm section. Weird, but lovely. Just like the picture of Shakira on the front

of the CD. Hmmm . . . que fuera tan joven de nuevo. Que asi fuera yo.

73

Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 18 Jan 1999 21:48:45 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu, qrp@qth.net, CW@qth.net
Subject: [30142] FS qrp items
Message-ID: <a7b15461.36a3f28d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Doing to much building and cleaning house.
I'm selling the following items.MFJ all CW QRP
40-M,30-M,20-M,17-M and 15-M.
\$100.00 each and all are tuned as per Paul Harding News Letter Tips.
Nor Cal 40-A,with 10 turn pot,W/front panel to accept the KC-1 keyer.
\$125.00
ARK 40-M Flawless condition with S&S keyer installed.
S&S ARK-4 Also flawless,built in keyer,has RIT and TX/RX-RIT.
Acts like a small range limited VFO.
No longer made and considered a collector item/W CW filter.
Make reasonable offers on the ARKS.
The ARK rigs have been aligned and upgraded by S&S
The MFJ 17 comes with a folded dipole.
Thank You
Bob
WA2HQrp <tm>

Date: Mon, 18 Jan 1999 22:13:11 -0500 (EST)
From: "Richard K. Evans" <rkevans@iag.net>

To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30143] Two simple questions...
Message-ID: <Pine.GS0.3.96.990118220725.20502B-100000@shell.iag.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After spending a bit of time catching up with the archives for January 1999, and realizing that this is not a low-volume list by any measurement... I've downloaded the Nov and Dec '98 archives and made one huge file for searching...

1. The NorCal 20 keeps popping up. I know it was sold on a preorder basis, and I'm way too late. What was the price for this thing?

2. What is a NorCal 'Zombie'?

Rick Evans - Linux user / Amateur Astronomer / Geek - Orlando, FL

Date: Mon, 18 Jan 1999 19:18:49 -0800
From: "Steve Miller" <kg7pv@hevanet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30144] Re: Demaw book search
Message-ID: <010901be435a\$78d81fa0\$923ca3ce@kg7pv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Doug DeMaw W1FB did publish two QRP Notebooks, actually three if you count "W1FB's Design Notebook".

The first "QRP Notebook" is a blue cover, published in 1990, 77 pages and sold for \$6. The Jan 99 QST does not list this book but most of the topics are well covered in the next two books.

The second was "W1FB's QRP NOTEBOOK" in a light brown cover in 1991, 174 pages and sold for \$10. The Jan 99 QST lists it as order # 3657, \$10.

The "W1FB's Design Notebook" is in a orange cover, 195 pages, published in

1990 and sold for \$10 also. The Jan 99 QST lists it as order # 3207, \$10.

I have these 3 on my shelf right next to "Solid State Design", "QRP Classics", NA5N's QRP Databook" and others. Had them out this past weekend while doing some fiddling with a VX0. I seem to refer to all three fairly often.

Steve Miller kg7pv@hevanet.com
Portland,OR

Norcal #308, ARCI #9230, QRP-L # 109

Date: Mon, 18 Jan 1999 21:18:56 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@lehigh.edu
Subject: [30145] Re: Qro-dx
Message-ID: <199901190320.VAA15884@ns3.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hey guys,

I got them on 10m CW, 15m CW and 20m SSB.

It was a lot of fun.

73,

N=D8EA

Wayne

Willard,MO

FISTS # 4907

QRP-L # 1058

Web Page <http://www.qsl.net/n0ea>

Date: Mon, 18 Jan 1999 22:30:51 EST
From: PUNISHER3@aol.com
To: qrp-l@Lehigh.EDU
Subject: [30146] ZL9CI how often is log updated?
Message-ID: <b38c905e.36a3fc6b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Guys. I worked ZL9CI today qrp on 10m ...or was it 12.. hmm, well anyway, i just checked the log for ZL9CI (www.qsl.net/zl9ci) and i can't seem to find my call sign. Does anyone know how often the logs are updated onto the internet?

Thanks,
Ben
KM7DX Redmond, Wa

Date: Mon, 18 Jan 1999 18:45:38 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [30147] AL7FS Beacon is off
Message-ID: <36A3FFE2.B1446D95@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sounds like 10 meters was not too good to Alaska these past two days.

Watch for the KL7AQC beacon from KL7H soon (yesterday). :-)

--
73, Jim Larsen, AL7FS -- Anchorage, Alaska
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009
(BP51cc)@61.1009636 North 149.8237915 West(approximately)
<mailto:al7fs@qsl.net> ICQ 11022915 <http://www.mirabilis.com/>

Date: Mon, 18 Jan 1999 21:51:18 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [30148] Any trouble shooting experts on the list?
Message-ID: <199901190351.VAA25266x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hi all! I hope all is going well for everybody. let me see if I can describe

a problem I'm having and see if any of you can't make any comments or suggestions. For the purpose of this problem I'm using a HTX-100, set for 5 watts in CW mode. The power supply, which is my problem is a Diamond, Gold Series, 12-15 volt 30amp power supply, model# PS-35G. The power supply was given to me and was working for the gentleman who gave it to me and did work for about 30 minutes yesterday. This afternoon I rushed home from work to try some CW before 10 meters died for the day. After sending CQ a few times the transceiver died and I noticed that the voltage meter on the power supply had dropped to 0 volts. I was puzzled so I turned the supply off for about 15 seconds then back on. The voltage went back to where it should be, but as soon as I went to use the it died again. When the supply is dying, the voltage needle goes to 0 volts, but I can still hear and feel the transformer humming. I'm not scared of opening the unit and/or replacing things, but I'm not much of a troubleshooter. Does anyone have any pointers where to start? I can't believe this happened just when it was starting to feel comfortable sending CQ via CW <grin>.

On an unrelated note, my ARRL Operating Manual lists 28.060 as the QRP CW calling frequency, but since I'm only a Tech+ I'm not able to transmit on that frequency :(What frequency do you guys/gals suggest I try calling CQ QRP on the 10 meter band (assuming I can fix my power supply <grin>)?

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 18 Jan 1999 20:52:08 -0700
From: KORWC <rwc@frii.com>
To: we6w@qsl.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30149] Re: OHR-100(A) building Project.
Message-ID: <3.0.5.32.19990118205208.008022e0@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:45 PM 1/18/99 +0000, you wrote:

>Gang, I recently offered to build a OHR-100(A) for a friend

...

>Initial measurements: VFO was up nearly 200 KC's and

>I could only get it down to about 65 KC's from where it

>needed to be.

What band is this '100A for, reading forward I'm guessing 40M. So I don't know how applicable this is, FWIW: I built the 20M model, had the same problem, upon Dick's [OHR] advice I squeezed the windings very close together. Luckily there was enough play to do so. Being the first time I tuned/wound torroids it seemed like I took some extreme measures but it did work. I let the rig age (cover on, powered up) for a day or so, then touched up the adjustment and fixed it in place with clear finger nail polish. That was over a month ago, and the VFO has proved to be quite stable so far, after warm-up.

...

>I REALLY HATE these mini capacitors that everyone uses in the

>tuned circuits! Hate! Hate! There, I feel better. The problem

>with them is you can't SEE the plates. I like to center the

>trimmer half way and tune the toroid, then trim the capacitor

>with plenty of fine tuning range. But you don't know if you

>are all the way open or closed with these &^@#!!) things.

>

If your Caps. are like mine, inspect the brass tuning screw with a magnifying glass. My Caps. have two VERY small dimples on one side of the screw driver slot. When the dimples face the small flat spot of the capacitor body the plates are fully meshed. When the dimples face the larger rounded part of the Cap body, the plates are fully open. I set all mine at the mid point, and followed the alignment procedure in the manual. When I was done, all Caps were about 1/4-1/2 rotation from the fully meshed position. :-) Oh yeah, learned that from Dick too. Like all our suppliers, Dick and OHR is "good stuff"! I'm very pleased with my '100A and the support I've received from Dick.

Hope this helps.

72/3 KØRWC

Rod Cerkoney, QRP-L #1764.

Fort Collins, CO

da di dah

Date: Mon, 18 Jan 1999 20:06:17 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: PUNISHER3@aol.com
Cc: qrp-l@lehigh.edu (qrp)
Subject: [30150] Re: ZL9CI how often is log updated?
Message-ID: <199901190406.UAA29557@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ben, when you check the online log, it will indicate when it was last updated. As a rule of thumb, if you worked them today, don't expect it to show up until tomorrow, or the next day.

cheers, Paul

>

> Hi Guys. I worked ZL9CI today qrp on 10m ...or was it 12.. hmm, well
> anyway, i just checked the log for ZL9CI (www.qsl.net/zl9ci) and i can't seem
> to find my call sign. Does anyone know how often the logs are updated onto
> the internet?

>

> Thanks,
> Ben
> KM7DX Redmond, Wa
>

Date: Mon, 18 Jan 1999 22:20:10 -0600
From: The Boices <boice@bigfoot.com>
To: qrp-l@Lehigh.EDU
Subject: [30151] Kester solder types
Message-ID: <3.0.6.32.19990118222010.009119f0@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm probably opening a serious Pandora's box here, but.....

I'm looking at needing some new solder for the upcoming K2 project, and was wondering how well Kester's "245 No Clean Core Solder" works? I see it's only got 1/3 the flux of common (type 44) solder, but I don't think that's will be a problem on common electronic work.

How about the Kester "331 Water Soluble" stuff? Experiences? All types are the same price, and are available in the 63/37 .031" diameter size that I like, so that's not a problem.

I'm considering these as possibly a better route than my normal type 44 solder, since I never bother to remove the flux. I've yet to knowingly have a problem with not removing the flux, but then again, this is for a special rig, and I wanna do it right :-)

73,

Mike Boice, KW1ND
Canyon TX
QRP-L # 576

Date: Mon, 18 Jan 1999 20:27:22 -0800
From: "Gary Evans" <gevans@lightspeed.net>
To: <joe@quadj.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30152] Re: Qro-dx
Message-ID: <003101be4364\$0dc8b300\$9f46d8cc@gevans>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dittos!!! Downloaded and installed "DX-Monitor" last night and up popped ZL9CI today. Worked him on 15, but also heard him on 10. Later in the day worked 3W6LI in Saigon, also on 15. I think a little QRO once in a while is good for the soul....Gary - AA6R - California

-----Original Message-----

From: Joe S <joe@quadj.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, January 18, 1999 6:11 PM
Subject: Re: Qro-dx

>Way to go Larry, worked them on 15M QRO (long path)the other night
>also....but just got them on 10M at 10W :) He was loud in TX and
calling
>CQ with few responses. It has been a great DXpedition, I have heard them
>all over and on several modes.

>

>72 Joe KK5NA

>

>

>

>-----Original Message-----

>From: Larry B <ac5ez@webtv.net>

>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Date: Monday, January 18, 1999 5:53 PM
>Subject: Qro-dx
>
>
>Found ZL9C on 15m, two calls and he is in the bag, 100 w to a vertical.
>Not qrp but cool.
>k1zw
>
>
>

Date: Mon, 18 Jan 1999 22:34:47 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30153] Re: AL7FS Beacon is off
Message-ID: <199901190434.WAA30937x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 18 Jan 1999 18:45:38 -0900, Jim Larsen AL7FS <a17fs@pobox.alaska.net>
wrote:

> Sounds like 10 meters was not too good to Alaska these past two days.

For what it's worth, I was listening to a station in Anchorage today here in
Birmingham, sounded like he was right next door <g>.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 18 Jan 1999 20:34:03 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30154] Re: Variety of info on QRP-L
Message-ID: <199901190436.UAA06640@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

CQCL@aol.com wrote:

> Maybe I am misunderstanding you, but it sounds as though QRP is for
beginners,
> when in fact many of us QRPers are very experienced hams (over 42 years
> myself) who use QRP because of the challenge. Instead of QRP being the
> stepping stone to QRO, I found it to be the opposite -- QRO was the
stepping
> stone to QRP.

I'm sure this is the case for many people, and I can see how it would work.
There are probably many things that draw folks to QRP, but for me it was
low cost, simplicity, and hands-on experience.

They let me take the written and code tests free of charge for my Novice
ticket, and I spent well under \$150 for my first rig, an EMTECH NW40 with a
simple dipole antenna. As I was considering joining the brotherhood, the
new QRO transceivers, costing \$700 up to several thousand, scared me off.
I didn't have that much disposable income at hand, and if I did, what would
happen if it turned out that I didn't like hamming? I probably could have
gotten on the air for well under \$100, and I've seen people on this list
offer to give transceivers to new hams at no charge, so QRP has all the
advantages as far as cost goes.

As for simplicity, what more can you ask for beyond some of the QRP rigs
that have power, key, and antenna connectors in the back and AF or RF gain
and tuning (and maybe RIT) controls on the front? The dipole antenna is
fairly foolproof, if you can divide numbers and measure correctly. Of
course, there are all kinds of little fiddly bits, such as antenna tuners
and audio filters, that you can add on, but you don't need them to get
started.

For hands-on experience, you can't beat QRP. Ever have the opportunity to
build a modern QRO transceiver from a kit? I thought not. Even if you
could afford to buy a \$3,000 transceiver and \$500 antenna and have the guy

from the shop come to your house and set it all up for you so all you had to do was switch it on and start talking, where's the fun in that?

When I first started, I was tapping out code in the Novice section of 40 meters. My first goal was to work all states, and I got a quarter of the way there on 5 watts. Recently, I started to get frustrated when I could hear stations, but they couldn't hear my little signal. That's when I wanted to get a "real" transceiver. Because of my experience on the air and my experience on this list, I was able to get what I believe is a superior product at a reasonable price. Because of the contest last weekend, I doubled my list of states in one day, but I still like tapping out the code. Just because I have a high-power rig doesn't mean I won't still be building and working QRP rigs.

As Rich said, the hobby offers unlimited opportunities, and I expect to explore them, in no particular order, as they catch my interest.

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com --*-- (509) 326-7147 --*-- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people."

Date: Mon, 18 Jan 1999 23:43:26 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: PUNISHER3@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30155] Re: ZL9CI how often is log updated?
Message-ID: <36A40D6E.155A295C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Not less than 24 hours, Tom, N1TP, Naples, FL.

PUNISHER3@aol.com wrote:

> Hi Guys. I worked ZL9CI today qrp on 10m ...or was it 12.. hmm, well
> anyway, i just checked the log for ZL9CI (www.qsl.net/zl9ci) and i can't seem
> to find my call sign. Does anyone know how often the logs are updated onto
> the internet?
>
> Thanks,

> Ben
> KM7DX Redmond, Wa

Date: Mon, 18 Jan 1999 23:00:44 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30156] Re: Variety of info on QRP-L
Message-ID: <199901190500.XAA01340x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 18 Jan 1999 20:34:03 -0800, "Frank Grigaliunas" <fgrig@iea.com> wrote:

> They let me take the written and code tests free of charge for my Novice
> ticket, and I spent well under \$150 for my first rig, an EMTECH NW40 with a
> simple dipole antenna. As I was considering joining the brotherhood, the
> new QRO transceivers, costing \$700 up to several thousand, scared me off.

Amen! This may be a delusion of mine, but sometime in the near future I see myself with a small qrp rig, either bought used or built by me, and going somewhere nice and quite on my lurch hour (yes, we still have some of those places here in Alabama <g>), throwing a wire up over some tree branches and tapping out some code on my miniature key for 30 minutes or so. I may be crazy, but this just seems like it would be so relaxing and relatively inexpensive as compared to other aspects of the hobby, and I should know, I've blown too much money on satellite goodies which I end up getting bored with in a short amount of time. I still REALLY enjoy working AO-27 everyday, qrp with my HT, I've been a qrp'er all along and am totally 'out of the closet' now <grin>.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 19 Jan 1999 05:06:31 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30157] Gentleman's agreements... AND QRP (was CW...the death...)
Message-ID: <36A412D7.19C04662@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ron Stark wrote:

> I am looking in my handbook and don't see any agreement to
> keep CW out of 7050-7100.
>
> This is the 1994 ARRL handbook. Maybe it's outdated already!

I looked in my 1979 copy and it doesn't have any agreements in it either. On the other hand it doesn't show that VEs could use A3 in the 7.050 to 7.100 area either. A few years ago we were deregulated to the point that we don't have sub bands any more but are limited by band width. No FM on 40 meters but nothing is stopping me from putting my 750 watt AM signal on 7.040. Nothing but those same unprinted "gentleman's agreements."

I prefer to be a "Gent" to being a band hog.

--

73 es have fun
Peter
VE6YC D021wc

Drinking and calculus don't mix. Never drink and derive!!

Date: Mon, 18 Jan 1999 23:07:48 -0600
From: Jeff Johns <jeffj@scott.net>
To: Peter Larsen <larsenp@cadvision.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30158] Re: Any trouble shooting experts on the list?
Message-ID: <199901190507.XAA02205x@scott.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 19 Jan 1999 04:57:26 +0000, Peter Larsen <larsenp@cadvision.com> wrote:

> I have had trouble shooting experts on this list, but my aim is real
> bad.

If it's called 'tourist season', why can't we shoot at 'em?

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 18 Jan 1999 21:12:32 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30159] Sub?
Message-ID: <000001be436a\$512ab3e0\$8905b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does any one know of a good sub for a ztx750 transistor? (Zebra Tango X-Ray 750) I can't find any data on it.

Thanks!

Roger A. McCarty ARS KD6CC
<http://www.qsl.net/kd6cc>

Date: Tue, 19 Jan 1999 04:57:26 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: jeffj@scott.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30160] Re: Any trouble shooting experts on the list?
Message-ID: <36A410B6.1FA3A754@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have had trouble shooting experts on this list, but my aim is real bad.

OK OK I will go take my meds now and go lay down.

--

73 es have fun
Peter
VE6YC D021wc

Drinking and calculus don't mix. Never drink and derive!!

Date: Tue, 19 Jan 1999 05:20:55 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: gevans@lightspeed.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30161] Re: Qro-dx
Message-ID: <36A41637.5D0E7C4D@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, as all are bragging..
10 meters... 1 call, I thought he must be a pirate as T000 easy
15 meters... untold numbers of calls first day, 5 calls on next try
20 meters... 3 calls on simplex
40 meters... 10 calls split to a bad swr portion of my dipole.

Go to www.kkn.net/~zl9ci/ for confirmation of my bands worked...
or your own.

--

73 es have fun
Peter
VE6YC D021wc

Drinking and calculus don't mix. Never drink and derive!!

Date: Tue, 19 Jan 1999 00:39:07 -0500
From: Mike Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30162] Re: RFI from TCI wireless modem jacks
Message-ID: <36A41A7B.2413@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,

My apologies. I forgot that you run the lab. Thanks for taking the
lead!

--

Mike Boatright, K04WX
Amateur Radio Emergency Service,
District Emergency Coordinator to Georgia Emergency Management Agency

Date: Mon, 18 Jan 1999 23:01:13 -0800
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30163] SPICE/PSPICE Software..
Message-ID: <000301be4379\$83f79fe0\$4154fcd0@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anyone direct me to shareware/freeware SPICE or PSPICE emulation
programs for Windows (preferably Win95 or Win98)? I have seen various
works with the scope trace, etc. in them but have not been able to

track down the software.

Also, recommendations for schematic software would be welcome; again, shareware/freeware.

Much thanks..

Date: Tue, 19 Jan 1999 00:03:29 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-1@lehigh.edu
Subject: [30164] Replacement Mike Element for HR-2510
Message-ID: <Pine.OSF.3.91.990119000224.26828A-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What's a good replacement mike element for the HR-2510? Does Radio Shack make one?

Thanks.

Jim Rybak W0KSD

Date: Tue, 19 Jan 1999 08:53:32 +0100
From: Alen Mitrovic <alenm@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: M CHERRY <MCHERRY@CALWEB.COM>, n4so@juno.com, Wayne Glover WJ7H <wayneg@inovion.com>, macdondd@cadvision.com, "Wilford D. Lindsey" <70511.3041@compuserve.com>, Michael Seedman <mseedman@interaccess.com>
Subject: [30165] Need new Dxcc country in your Log?
Message-ID: <7519EA69A7D4D111916400A0C955EF61D45A93@hal9000.hermes.si>
Mime-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"

I will be active on 14,060 MHz +/- 5 KHz on Thursday 21st of Jan. at 13:00 GMT

Mode: CW

I will look special for QRP colleagues; will run QRO + TH7DX.

Depends on conditions, I will try QRP with my Sierra TCRV, too.

Other bands are possible too. If someone has some band restriction and

would prefer
15 or 10 meters, let me know.
See you in the air.

72 / 73 de Alen / S53MA

Date: Tue, 19 Jan 1999 05:46:13 -0500
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-l@Lehigh.edu>
Subject: [30166] opinions on MFJ-40 meter rigs
Message-ID: <199901191046.FAA03725@smtp1.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear Gang: I was thinking of getting one of the MFJ 40 meter CW rigs as a backup and for emergency use. I have no talent for building kits so the pre-built MFJ seems good for the cost, especially a used one. However, a buddy recently worked a couple of them on 40 meters and said they were drifting all over the place. Is this a common problem with them?

Your opinions about these rigs would be welcome. Please respond to me direct and I'll post the results to the reflector. Thanks in advance.

Jeff/KF4JSV QRP-L # 743 FISTS # 5497
Manassas, VA

PS: I'm still restricted to the Novice portions, although I hope to correct this by Spring.

Date: Tue, 19 Jan 1999 04:51:11 -0700
From: W6RCecila <w6rca@ibm.net>
To: qrp-l@Lehigh.edu
Subject: [30167] Amidon cores
Message-ID: <36A471AF.52DB@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here is a copy of the chart out of the Amidon brochure.

Core	OD	ID	Length	ohms@ 25MHz	ohms@ 100Mhz
FB-43-1020	1.000"	0.500"	1.120"	155	235
FB-77-1024	1.000"	0.500"	0.825"	166	135
FB-43-5621	0.562"	0.250"	1.125"	171	250
FB-77-5621	0.562"	0.250"	1.125"	270	215
FB-43-6301	0.375"	0.194"	0.410"	55	48
FB-77-6301	0.375"	0.194"	0.410"	73	59

Amidon's web page is: <http://www.amidoncorp.com/>

--

73, Cecil, W6RCA <http://people.delphi.com/CecilMoore>

Date: Tue, 19 Jan 1999 08:06:36
 From: Ben Pooley <bpooley@bar.auracom.com>
 To: boice@bigfoot.com
 Cc: qrp-1@Lehigh.EDU
 Subject: [30168] Re: Kester solder types
 Message-ID: <3.0.6.16.19990119080636.329f1dba@bar.auracom.com>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

At 22:20 18/01/99 -0600, Mike Boice wrote:
 wondering how well Kester's "245 No Clean Core Solder" works? I see it's
 >only got 1/3 the flux of common (type 44) solder....
 >
 >How about the Kester "331 Water Soluble" stuff?
 >Mike Boice, KW1ND
 >Canyon TX
 >QRP-L # 576
 >
 >

I would suggest that you stay with the 44. You will find the flux considerably more active than the "no clean", making it easier to get really good soldering. However, if you are prepared to take a little extra time with each joint, "no clean" will do the job and leave less (not "none") visible residue.

Stay away from the water soluble flux. Most water soluble fluxes are acid, and work well, particularly for wave soldering, where they are going straight into a water wash. At work we use water soluble flux in our wavesolder machine; the water soluble cored stuff would be used for rework (if required!) literally on the way to the water wash. In our experience the water

soluble flux should go to a wash within minutes.

Another point - if you use 44 or "no clean" and then decide to clean it after all, we find the "no clean" is much harder to clean than the regular 44. Also, if you decide to clean either of these fluxes, do it as soon as possible. The sooner it is cleaned, the easier it will come off.

73, Ben VE1AHX

Ben Pooley, Allendale Electronics Ltd, RR1 Lockeport NS Canada B0T 1L0
bpooley@bar.auracom.com ve1ahx@rac.ca www.trico.ns.ca/smtassy

Date: Wed, 20 Jan 1999 13:25:16 -0600
From: k5zty@juno.com
To: boice@bigfoot.com
Cc: qrp-1@Lehigh.EDU
Subject: [30169] Re: Kester solder types
Message-ID: <19990120.132715.10382.1.k5zty@juno.com>

Don't use Kester solder. Use Ersin Multicore. Harder to find, but a superior solder in all ways.

Bill, K5ZTY
Houston, TX
k5zty@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 19 Jan 1999 07:33:21 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net, qrp-1@lehigh.edu
Subject: [30170] [larc-1] [INSTRUCTORS:16] scr
Message-ID: <3.0.5.32.19990119073321.007c5690@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

share this with your clubs and maybe you have or might consider starting a youth Amateur Radio station.

tnx es 72/73 de Scott/n3byy
Laurel MD

>
>"Bourgoin, Marjorie, KB1DCO" <mbourgoin@arrl.org> on 01/18/99 11:43:48
>
>
>
> To: Teachers <teachers@arrl.org>, Instructors@arrl.org
>
> cc: (bcc: Mark Doore/CONSULT/HQ/FHLMC)
>
>
>
> Subject: [INSTRUCTORS:16] scr
>
>
>
>
>
>
>
>
>> HQ STAFF TO SUPPORT SCHOOL CLUB ROUNDUP
>> ARRL HQ staff will support this year's School Club Roundup, operating on
>> HF from Hiram Percy Maxim Memorial Station W1AW. The SCR takes place
>> February 8-13.
>> "Special emphasis will be put on contacting youth groups, especially
>> school clubs," said ARRL Field and Educational Services Correspondent Dan
>> Miller, K3UFG. Depending on propagation and the availability of
>> volunteers, watch for W1AW between 1600 and 1700 UTC on the suggested SCR
>> frequencies (see <http://www.arrl.org/contests/announcements/99/scr.html>).
>> Details for suggested exchanges can be found at the Web site or in
>January
>> 1999 QST, page 92.
>> Each day of the event, HQ staff volunteers will spend their lunch hours
>at
>> W1AW making contact with as many youngsters as possible.
>> Miller said that reports from the recent Kid's Day activity and other ham
>> activities involving youngsters indicate a strong desire by young people
>> to learn more about Amateur Radio (see "Kid's Day!" January 1999 QST, pp
>> 46-47).
>> "This is our way of saying thank you to all those folks who've gone the
>> extra mile to put together a youth group Amateur Radio Station," Miller
>> said. "Many of these groups have also registered at our new Youth Skeds
>> Web site for setting up schedules to contact other youth groups via
>> Amateur Radio, <http://www.arrl.org/ead/youthskeds/>.
>> For more information, contact Dan Miller, e-mail dmiller@arrl.org; tel
>> 860-594-0340.

>>
>*****
>> *****
>ARRL would like to recognize you and the assistance you and others have
>provided ham radio classes and activities. Most of you are not in it to
>obtain fame or public attention ... you do it because you want to give
>something back to the hobby and because helping others is the right thing
>to
>do. That makes you and others worthy of our gratitude.
>
>Don't forget to nominate yourself or someone who has been instrumental in
>your ham radio classes or club. Please send email to jwolfgang@arrl.org to
>receive a nomination form and instructions. These forms must be received
>(send by email or US mail) by your ARRL Section Manager by January 31. For
>more information on these awards visit <http://www.arrl.org/ead/award/>
>
>
>
>-----
>Support youth in Amateur Radio by having fun participating in the 1999
>School Club Roundup --
>8 AM Monday, Feb. 8 to 8 PM Friday, Feb. 12. (See Jan. QST p. 92 for
>details)
>
>
>
>
>
>-----
>To unsubscribe from this list send a message
> to 'larc-1@webtrek.com' with the word
> 'unsubscribe' in the subject.
>
>
>
>

Date: Tue, 19 Jan 1999 08:27:29 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: jeffj@scott.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30171] Re: Any trouble shooting experts on the list?
Message-ID: <36A48841.8285DEEC@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If it is a linear supply (not a switching supply) troubleshooting should be easy. It sounds like the over current protection is activating. Perhaps it is getting RF back into it from the radio. Try reducing the length of the power leads. Also try a decoupling cap across the output lugs on the supply. If you have another "load" you can put on it, try that and see if it works.

If it fails under load still, you may need to find a schematic for troubleshooting.

Jeff Johns wrote:

> the tranceiver died and I noticed that the voltage meter on the power supply
> had dropped to 0 volts. I was puzzled so I turned the supply off for about
> 15 seconds then back on. The voltage went back to where it should be, but as
> soon as I went to use the it died again.

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Science, like nature, must also be tamed, with a view towards it's
preservation" Peart

Date: Tue, 19 Jan 1999 08:41:40 -0500
From: "John Humphrey" <jhumphre@ultra-tech.com>
To: qrp-l@lehigh.edu
Subject: [30172] Argo 505 Price
Message-ID: <s6a4456b.013@ultra-tech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

I saw a Argonaut 505 for sale at a hamfest and was wondering what the =
price range for this rig is, working and not working?? I think it had =
poor sensitivity on 80 meters and no power out on any band, and the dial =
cord needed to be replaced.

=20

Thanks,

John H. W4IM QRP-L #1691
Stafford, Va.=20

Date: Tue, 19 Jan 1999 06:52:41 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>, "Dave Ek" <ekdave@earthlink.net>, "John Evans" <jaevans@codenet.net>, "Nick Hulbert" <nick.hulbert@lmco.com>, "Rick Brown" <K0su@kktv.com>
Subject: [30173] Pre-FYBO adventure NO JOY!
Message-ID: <00ad01be43b2\$ff18af00\$86a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well thanks to those of you who from the warmth of your shack listened for me. My Pre FYBO adventure started late and I didn't allow time for the icy trail.(WOW) Kinda like walking up a ludge run. Arrived on top at 0620am MST in blowing snow 15°F (-20°F windchill)...then fumbled w/antenna and gear for what seemed like all morning with frozen fingers diving in-n-out of the warmth of my gloves! My water hose on my CamelBak froze solid almost! Hummm need an electric sock to cover it (hi).

Fininally shortly after 0700am I launched a sig on 20m ...nothing heard so dropped to 40m. Heard some sigs but no one heard me! Incredible sunrise between snow squalls! Packed up and was down the Mtn no time back in the shack stoaking the wood stove thawing out by 930 am. FUN adventure but need more preparedness!!

Lessons learned:

- Bring more WARM clothes!
- Check antenna setup in the comfort of a warm afternoon sun.
- Make sure all your cabling is short free! (I had made up a new piece of feedline to the ATU just before I went to bed. I forgot to check it out!!!) Yup u guessed it. ...it was a nice dummy load!!!
- Bring more good things to eat!

See ya all in 2 1/2 weeks FYBOers from the top of Mt Herman, Colorado

TU & 72/73 ...Steve/n0tu-Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Tue, 19 Jan 1999 06:16:11 -0800 (PST)
From: Patrick Franzis <old_radios@yahoo.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [30174] Power supply questions.
Message-ID: <19990119141611.6941.rocketmail@send101.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi QRPr's

I'm in the market for a power supply and have been looking at Astron, Tripplite and MFJ. They're all around the same price, MFJ offers a switching supply that is pretty compact.

Has anyone had good/bad experiences with any of these brands? Do switching power supplies (The MFJ specifically) tend to generate more noise than conventional supplies? Private email is OK.

Thanks, Patrick

==
== Patrick Franzis
== Email : old_radios@yahoo.com
== or radios@email.com
== N10CJ
==

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 19 Jan 1999 09:15:16 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [30175] New rig on the air
Message-ID: <36A49373.DED729BF@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sunday morning I went to a swap meet and picked up a J38 in good

condition for a good price. Got home and finished my SW30+ kit. It works great. Made a few contacts Sunday afternoon with the SW30+ then cleaned up the key and mounted on a base. Last night I thought I would check out 30 meters. The SW30+ with that J38 makes a pretty picture sitting next to each other on the op table. Worked a couple of QRPers including Don, W3RDF. After that I cruised down the band. Heard EA8CN working stations one after another. So I thought I would put this new setup to the test. For about 20 minutes I tossed my call in. The he came back with 8DF? I sent my call a couple of times and he came back to me. Cool. I got a 449 from Andy. Gave him a 559 and sent QRP 2w a couple of times. He gave me a FB Ed QRP 2w as he signed off. Big Grin. Ran upstairs and hugged the XYL. After all she got me the kit for Xmas. My best DX with something I built. Is 30 always this much fun?

Rig: SW30+ at 2 watts

Ant: 105ft center feed dipole at 40 feet with the two ends bent down at 4 feet.

Freq. 10.104

UTC 0130

Ed Kwik AB8DF Waterford, MI

Date: Tue, 19 Jan 1999 09:56:05 -0500

From: Sam Billingsley <SBillingsley@usaninc.com>

To: hhurst@delaware.infi.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "_Nogaqrp_List (E-mail)" <nogaqrp@qth.net>

Subject: [30176] RE: Receiver kits and project ideas.

Message-ID: <21E06269B00ED111BE9B00805F6D0FA35D9560@MAILSERVER1>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

WOW!!!!!!! ;-);-);-)

I'm blown away by the quality and quantity of the Web Site. It is MUST viewing by ALL QRP home builders.

The QRP Homebuilder site is designed and maintained by Todd Gale, =
VE7BP0

with the assistance of many friends and relatives.

=20

I had to show everyone the topic list. What's amazing is the quality =
work on

each topic. A new standard in the making.

Sam Billingsley AE4GX Atlanta, GA A QRP Homebuilder looking =
for
answers!

*****=

>>>snipped from the Web page >>>>>

QRP HomeBuilder Homepage

Introduction

These web pages were designed for hams who wish to build and operate =
low
power radio equipment on the amateur radio bands. Although we are =
endebtet
to other authors, many of the stages have been designed or are based =
upon
the design philosophy of Wes Hayward , W7ZOI. The website goal is to =
provide
practical and low-cost circuits for experimenting with and enjoying =
this
great hobby.=20

Topics

Ugly Construction.

Design - Build your circuits over a copper PC board the ugly way.

A Low Noise, Broadband RF Amp.

Design - The Norton common-base amplifier is considered .

A 2N3904-based "Popcorn" IF Amp.

Design - A low cost common-emitter feedback IF amp is considered .

The Ugly Direct

Project - A DC receiver mainframe for all HF bands.

Basic 40 Meter Popcorn Superhet

Project - A minimalist 40 meter superhet receiver .

Uglier Sister 40 Meter Popcorn Superhet

Project - A higher performance sister to the above minimalist 40 meter
superhet receiver.

Broadband Transformers Topics

Design - Wind 4:1 transformers and/or make homebrew diode ring mixers .

Simple Frequency Offset Circuits for Crystal Oscillators

Design - Circuits for shifting a crystal oscillators frequency during
transmit .

Diplexer Topics

Design - Simple Diplexer Designs to terminate diode ring mixers.

Bandpass Filter Information

Design - Data and example double tuned bandpass filters.

Selected QRP Reading List

Literature - A small list of good reading for the QRP Homebuilder .

Powdered Iron Toroidal Inductor Coatings

Design - Material by Roy Llewellyn, W7EL concerning toroidal inductors.

An (LC) VFO for 30 Meters New.... Dec 26/98

Project - A series-tuned Clapp VFO.

30 Meter Direct Conversion Receiver Project New.... Jan 2/99

Project - A complete popcorn receiver which was build as an experiment.

QRP HomeBuilder Workshop Ideas New.... Jan 3/99

Discussion - Hints for building a QRP junk box plus a tour of our =
workshop.

QRP HomeBuilder Software New.... Jan 11/99

Programs - Free 32-bit Windows (tm) software for downloading.

Site and Other Information

Odds and ends - Whats upcoming. Contact us. Schematic legend

=A0=20

> -----Original Message-----

> From: Harry, WA3PTG [SMTP:hhurst@delaware.infi.net]

> Sent: Monday, January 18, 1999 8:22 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Receiver kits and project ideas.

>=20

> Take a look at: <http://www.qrp.pops.net/qrp/default.htm> it might not =
be

> the

> answer but it looks VERY interesting to me.

>=20

>=20

Date: Tue, 19 Jan 1999 09:50:54 -0500

From: "Hare, Ed, W1RFI" <ehare@arrl.org>

To: qrp-l@Lehigh.EDU

Subject: [30177] FW: New Topic Heading TCI-RFI-FCC

Message-ID: <8060D04206ABD2118C6800805FC743CC1DAD@mail.arrl.org>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

From: Hare, Ed, W1RFI

Sent: Monday, January 18, 1999 6:15 PM

To: 'Bob Tellefsen'; QRP-L List

Subject: RE: New Topic Heading TCI-RFI-FCC

Hello, Bob and fellow QRPers.

The info from ARRL was put on our public site, not the members only page. :-) By tomorrow morning the following update will be added to the ARRL web page on the wireless modem problem.
(<http://www.arrl.org/tis/info/rfiteljx.html>. If I can secure TCI's permission to repost the email memo discussed here, I will also link to that.

Let me add to what I said in print, I appreciate all of the reports I have received from hams. In this case, we were able to quickly build on those reports, and the work done by various amateurs, into what appears to be a success story. Please keep those reports coming; I need to monitor this to make sure that things are going well overall and to help resolve individual cases that are not.

I am subscribed to the QRP-L reflector, so I will see any discussion there.

At any rate, I hope to work at least one of you in the next contest. At my usual power level of 10 milliwatts, though; I am not real hopeful. :-)

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
860-594-0318
w1rfi@arrl.org

Visit the ARRL Website at <http://www.arrl.org/>.

Check out the ARRL members-only website at <http://www.arrl.org/members-only>.
Have your ARRL membership number (from your QST mailing label) available the first time you check in.

For answers to many technical questions, consult the ARRL Technical Information Service page on the ARRL Web site at <http://www.arrl.org/tis>.

Update

On January 18, Ed Hare learned that TCI has generated an email memo from

their corporate engineering staff to their regional engineering staff, directing that they help hams resolve this on a priority basis. They sent an informational copy to Ed, who has asked for TCI's permission to put a copy on the ARRL Web page (we hope to hear back in a day or two.)

As of January 18, ARRL has received reports that some TCI field offices are dealing effectively with problems. Other offices, however, appear to be a bit slower in coming up to speed. TCI has nearly a thousand field offices, all of which have to get the word, and these types of communications problems are inevitable. In addition, on January 18, Phonex contacted Ed Hare to let him know that they had the first 1000 of the 3.3 MHz units sent to them by air freight, so Phonex and TCI should have 3.3 MHz units available in a week or two, although not enough to immediately correct every problem. More units will be available by slower shipping over the coming weeks.

Ed Hare summarized this by saying, "This is still progressing well, as these things go. While we would all like to see this problem corrected overnight, there was a lot that had to happen, and still need to happen, to get that happy ending that we all hope to see. This problem is rather large -- covering the US from coast to coast and all involved parties are making progress that is much faster than I usually see these things go. Phonex and TCI have been forthright and responsive from day one. I have seen the memo sent by TCI to their regional engineering staff and it was pretty clear -- TCI expects that they need to fix the problem and are taking steps to bring their service organizations up to speed on how to do so. This will *not* be their usual service problem, and I cannot imagine that this process will not have its bumps. But let's keep in mind that Phonex and TCI are spending expensive resources to correct this problem.

"I have volunteered ARRL to help resolve any problems that might crop up, ranging from helping hams to understand the issue to explaining to TCI and some newcomers that not every tuneup signal on 3.53 MHz is a wireless modem jack to helping hams resolve any problems they may encounter with local TCI offices by forwarding a summary of those problems to the corporate engineering staff at TCI. I have taken this approach so we, too, can demonstrate the good faith that Phonex and TCI have shown by first trying to work with the information published by ARRL and within the processes that Phonex and TCI have set up. It could be months before the lion's share of this is identified by hams and corrected by TCI and Phonex. I am in this for the long haul, though; we have a good chance at a success story that we can build into similar good relationships with other cable companies and Part-15-device manufacturers. Those who say Dave Sumners Feb QST editorial will probably get the idea that ARRL is in this for the long haul, too, and is looking for big picture solutions to the general noise problems that are eating away at our bands. This one may serve as an important stepping stone in that direction.

"At any rate, hams can feel free to contact me with questions or help in resolving problems."

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
860-594-0318
w1rfi@arrl.org

Visit the ARRL Website at <http://www.arrl.org/>.

Check out the ARRL members-only website at <http://www.arrl.org/members-only>.
Have your ARRL
membership number (from your QST mailing label) available the first time you
check in.

For answers to many technical questions, consult the ARRL Technical
Information Service page
on the ARRL Web site at <http://www.arrl.org/tis>.

-----Original Message-----
From: Bob Tellefsen [mailto:n6wg@earthlink.net]
Sent: Sunday, January 17, 1999 8:50 PM
To: QRP-L List
Cc: w1rfi@arrl.org
Subject: Re: New Topic Heading TCI-RFI-FCC

Chuck and all

This TCI info isn't new with me. I got a line on it at the Palo Alto
Amateur Radio Association club meeting recently. Others have been working
on this for some time, but out of the limelight. Then I just discovered a
good note on the subject in the ARRL web page, For Members Only. It spells
out what is going on and what is being done about it.

Ed Hare, W1RFI, is their point man on this. Ed, if you're reading this,
could you get permission to summarize the contents of the above note for the
QRP-L gang?

Since my town, Newark, CA, is small but has its own TCI cable system, I've
been waiting to get enough info then go visit the chief engineer. I think

an in-person, non-confrontational contact may be beneficial. Someone in TCI Corp apparently has committed to correcting the situation. However, I suspect it will be on a squeaky wheel basis. If no-one complains, there will be no urgency on their part.

If you find you are having interference problems, gather your facts. There is a lot of crap out there that isn't TCI, so don't weaken your case by blaming them for some weird noise that isn't theirs. When you think you have it sorted out, write to your local TCI engineer or customer service address. If several letters come in, all mentioning Part 15 and non-interference to a licensed radio service, it has to get their attention.

Good luck, and let's keep each other posted here.

73, Bob N6WG

Date: Tue, 19 Jan 1999 10:11:41 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "\"Thomas List Member\" <qrp-1@lehigh.edu>" <webdev@amidon.org>
Subject: [30178] [Thomas] Pins May Come Out Today
Message-ID: <MDAEMON-F199901191023.AA231735MD00428@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thomas has an appointment at 3:00 PM today at Dr. Phillips office. They are going to determine if the pins are ready to come out, and if they are ready he will remove them right there in the office.

I understand medical technology is fantastic, but knowing that it took 6 hours in surgery to put those pins in makes it hard to accept that they will come out in moments in an office procedure. Shiver.

Needless to say I will be out of the office for the remainder of the day starting at about 2:00pm. (Eastern Time) I will post an update when I return.

For those not aware of Thomas' accident, see <http://www.bytemark.com/thomas>. We have not updated that page in quite a while, but it gives a brief explanation of what happened.

Tracy Markham
Thomas' father

Date: Tue, 19 Jan 1999 09:14:30 -0600
From: rbcallahan@juno.com (Robert B. Callahan)
To: Qrp-L@lehigh.edu
Subject: [30179] OHR100A Sale/Trade
Message-ID: <19990119.091431.3630.2.RBCallahan@juno.com>

Santa was very good to me. Too Good! I got two kits this past Christmas. The OHR100A 20meters and the Wilderness Radio Sierra. Both are built and on the air and working very well. However, why do I need both? Why not sale the OHR100A and get two new band modules for the Sierra. Sounds good to me. I will trade the OHR100A for two new Sierra band modules or Sale for 90 bucks.
Please you cover the postage too. You must order the band modules for me and have them sent to me. I want 40 and 30 meter units. Either way, its your choice. Email me if interested: rbcallahan@juno.com
The OHR100A is in excellent condition! Works very well.
Thanks,

Bob Callahan KC5T #1792
The Woodlands, TX

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 19 Jan 1999 08:13:18 -0700
From: Larry East <wlhue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [30180] Cutting PC Board
Message-ID: <3.0.3.32.19990119081318.00917da0@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
> So, I tried scoring some board stock and ended up peeling back some of
> the copper when I tried to break it in half. Tried a nibbling tool and it
> just took too long... how do you guys cut your board stock, aside from
> the band or table saw I don't have?
>
A plain 'ol hack saw works for me. Hold the board in a small bench vice and

saw away. What, you don't have a bench vice or hack saw? Better pay a visit to your local hardware/Wal-Mart/Home Depot store!

Date: Tue, 19 Jan 1999 10:53:57 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@lehigh.edu>
Subject: [30181] Re: The Pomo ATU - Switching inductances
Message-ID: <199901191621.LAA02825@fh106.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Nils

>> Or I can make a bunch of different coils & figure a way to turn 'em in
> and out of the circuit . . . like the pile of little pi-networks that are
> on the input to a grounded grid amp. Or the turret deal that I've seen in
> the older radio books talkin' about big hootie power with tubes that have
> connections on the SIDE(!!??), fer cryin' out loud.

The slickest way to do that is with DPDT slide switches. Just put an inductance between the top two contacts. Short the bottom two contacts. Line the switches with their inductances all in a row, connecting the middle contacts from switch to switch, and simply switch in the ones you need. In other words, when all of the slides are in the down position, there is no inductance, and a practically straight through feed. (Well, it looks like a little square wave, but doesn't have much inductance at HF) Sliding the switch(es) up kicks in the inductance you want. Sizing the inductances digitally gives you very even distribution of inductance with a minimum of hardware. i.e., six coils, 1uH, 2uH, 4uH, 8uH, 16uH, 32uH will provide inductances from 0uH to 63uH in 1uH increments.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Tue, 19 Jan 1999 10:30:27 -0500
From: cdd@bellatlantic.net
To: qrp-1@Lehigh.EDU
Subject: [30182] For Sale: OHR500 needs assembled/Question

Message-ID: <36A4A513.67B3B2A6@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Had interest but they vanished for some reason, so ----

Unassembled OHR500 stn complete with DD-1 and Keyer all in sealed bags never opened. Package only please. Shipped in 48 for \$375 Firm

Also can someone please tell me where everyone is getting this WBL paddle?
Everytime I ask a person on this list who says they have one, I never hear from them? :-)

Thanks Curt
K3ivb
QRP-L #433

Date: Tue, 19 Jan 1999 10:31:30 EST
From: SABorns@aol.com
To: qrp-l@lehigh.edu
Subject: [30183] QRP TV
Message-ID: <4244d924.36a4a552@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Has anyone out there in QRP land ever done any work with QRP TV? Specifically R/C aircraft equipped with a camera and transmitter. The camera doesn't appear to be a problem as there appear to be inexpensive off the shelf models available. Any ideas on a low power transmitter?

73, Steve K8IDN

Date: Tue, 19 Jan 1999 08:34:22 -0700
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-l@Lehigh.EDU

Subject: [30184] Choke Baluns
Message-ID: <v03007804b2ca5326757a@[199.120.49.101]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For those who are still interested in the choke balun discussion, the following web site should prove useful;

<http://www.berkshire.net/~robbins/technote/airbalun.html>

This site contains measured data (impedance and phase angle from 1 to 35 MHz) on several air core choke baluns and a ferrite bead choke balun. It also has a good discussion on general balun principals. The choke designs presented are definitely QRO, but maybe somebody with an MFH259B on the list could compile similar data for QRP chokes. - Dr. Megacycle KK6MC/5

James R. Duffey <jr3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. <http://www.maxwell.com/>
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Tue, 19 Jan 1999 10:33:31 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: larsenp@cadvision.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30185] Re: Gentleman's agreements... AND QRP (was CW...the death...)
Message-ID: <36A4A5CB.434@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Peter and gang,

I keep seeing this BS about "gentlemen's Agreements". For once and for all -- the only actual rules and regulations governing band planning are those made by the governing body in your country! The FCC in the United States provides a list of what and where we can operate. The Canadian telecom commission (sorry, don't know the right name) says what Canadians can do. If you choose not to believe what they say it's your ticket!

Gentlemen's agreements are set up by amateurs for amateurs. They can and cannot be followed as each amateur dictates. There are no penalties associated with not following them if they aren't cast in

law.

This group seems to be full of crybabies who think QRP is bigger than a wart on a bug's XXX. It ain't. There may be 10000 QRPers world wide. If you think that is big look at the population of amateurs world wide. Now, get back to crying about the trash you always cry about!

73

Date: Tue, 19 Jan 1999 11:08:07 -0500
From: "The one and only!" <mitch96@pobox.com>
To: tedbeach@doubled.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30186] Re: [spam 03.58/10.00 -pobox] Re: Linux vs BeOs
Message-ID: <36A4ADE7.6009981C@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ted Beach wrote:

>
> Hi, Mitch
>
> I've been learning Linux for some time now, and would like to know where
> you got the demo version of BeOs?

Hi Ted,
here is the url
<http://www.be.com/demoCD/>
Again, usual disclaimers.....yada x3

--
mitch Ww4mL
Hollywood, Fla.

Date: Tue, 19 Jan 1999 09:27:58 -0700
From: "Dan Tayloe" <Dan_Tayloe-P26412@email.mot.com>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [30187] Re: Cutting board stock?
Message-ID: <36A4B28E.C051B3F@email.mot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I use a *heavy duty* paper cutter.

- Dan Tayloe, N7VE, Phoenix, Az; Az ScQRPions, QRPL # 696

Christian wrote:

>
> So, I tried scoring some board stock and ended up peeling back some of
> the copper when I tried to break it in half. Tried a nibbling tool and it
> just took too long... how do you guys cut your board stock, aside from
> the band or table saw I don't have?
>
> Thanks in advance!
>
> 72/73 de KF6IHU/9 - Christian

Date: Tue, 19 Jan 1999 09:06:34 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [30188] Varactor tuned oscillators
Message-ID: <19990119170635.10153.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

I've been tinkering around with a circuit which I intend to use as a crude sweep generator to test filters. The heart of this circuit is a Hartley FET oscillator (FET is an N-channel house numbered mutt with an IDSS about 3 mA and pinchoff about -1.5V, coil is a green core Dan's 455 can special [about 550-700 uH], 100K gate to ground, 10 pF gate to tank, 180 pF fixed across coil, back to back MV1404 varactors also across coil, tap of coil to source). For sweep purposes, the varactor bias is supplied from a 555 ramp circuit (bias fed through a 100K resistor and a 560 uH choke). For fixed bias tinkering I used a pot to set the bias.

Now to the questions and observations.....

Without any sort of limiting (e.g. diode from gate to ground, etc.) the varactors are nearly unaffected by the applied bias and the circuit doesn't sweep. With a diode from gate to ground (cathode to ground), the output (which I monitor at the source through a 10 pF cap and 10X probe) has constant amplitude and DOES sweep but has little glitches and is generally ugly. Although the use of diodes in such circuits is widespread in W1FB and other Ham literature, the ARRL Handbook says it is not common in professional circuits. The ARRL Handbook shows an example Hartley circuit with a resistor and bypass cap between the source and coil tap. I tried this arrangement with my circuit using a 0.0022 uF

cap and a 10K pot, then a 10K resistor and a 10K pot, then a 22K resistor and the pot, and finally just a 56K resistor. As the resistance was increased the amplitude of the output fell (I guess this pushes the FET closer and closer to pinchoff).

It seems apparent that when using varactors to tune such an oscillator either one needs to use a small series cap to limit the RF swing across the varactor (which would severely limit the range of the varactor effect on the circuit) or it is necessary to limit the amplitude of the oscillator. This subject is poorly treated in the ARRL and other radio literature that I have been exposed to.

What are your observations about the use of varactors for VFOs? What are your recommendations to effectively use varactors while suppressing harmonics and other distortion (brute force filtering excluded)?

Thanks.

Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 19 Jan 99 12:17:32 EST
From: "L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529" <pilant@seesaw.ENET.dec.com>
To: qrp-1@lehigh.edu
Cc: pilant@seesaw.ENET.dec.com, rmccarty@earthlink.net
Subject: [30189] RE: Sub?
Message-ID: <9901191717.AA27047@us2rmc.zko.dec.com>

Roger, that sounded like a Zetex device. Digi-Key carries some (the '749, '751, and '753) so they may be a source of a replacement.

I checked out the Zetex home page (<http://www.zetex.com>) and after doing a search for ZTX750, I came up with the following specs:

ZTX750 - PNP
Vcbo -60V
Vceo -45V
Ic (cont) -2000mA
Ptot 1000mW
hfe Min/Max 40/--
@ Ic/Vce -2000mA/-2V
Vce (sat) -0.5V
@ Ic/Ib -2000mA/-200mA
ft (typ) 100MHz

You can also download a three page PDF version of the datasheet:

ftp://www.zetex.com/data_books/thru.hole/ztx750.pdf

I hope this helps.

73

- Mark N1VQW

Date: Tue, 19 Jan 1999 11:24:17 -0600
From: "Phillips Richard" <phillips@msoe.edu>
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30190] Re: Kester solder types
Message-ID: <36A4BFC1.8574F723@msoe.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ditto.
Rich AA9L

k5zty@juno.com wrote:

>
> Don't use Kester solder. Use Ersin Multicore. Harder to find, but a
> superior solder in all ways.
>
> Bill, K5ZTY
> Houston, TX
> k5zty@juno.com
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 19 Jan 1999 12:20:38 EST
From: RangerSF5@aol.com
To: jpoulin@erols.com
Cc: qrp-l@lehigh.edu
Subject: [30191] Re: opinions on MFJ-40 meter rigs

Message-ID: <afb6c119.36a4bee6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff,

I have been using the MFJ rigs for years.
Most guys out there don't know how to tune the simple little rig.
The very early rigs did have a drift problem but that has been solved.
As for *Drifting all over the place*, I never had one that did.
I have a total of 4 of the 40-M MFJ rigs and the one has a 20 watt amp built into it.
Shop around and get a used one for \$75-\$100.00.
Try it.
I have worked all over the world with mine.
The big advantage is that it's a super rig at a good price if you don't have time to melt solder.
I guess I must be doing something right.
People on this list have mailed me and thanked me for the input on the MFJ CW rig and were happy that they picked one up.
The relay is the biggest set back on the rig but I had only one that failed and RS has a replacement for it.
GL
Bob
WA2HOQqp <tm>

Date: Tue, 19 Jan 1999 10:29:12 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Steve/n0tu <n0tu@webaccess.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [30192] Re: Pre-FYBO adventure NO JOY!
Message-ID: <Pine.SOL.3.91.990119101433.7151B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Steve, (and the gang)
It's way too warm here in New Mexico to consider FYBO points. It was in the 60's mid-day yesterday. It has been a very mild winter throughout most of the west and southwest. I mean, N4BP in Florida could out-do us this year :-)

I'm thinking about traveling to one of the known cold spots in the region, including Chama or Red River, New Mexico or Alamosa, Colorado in the San Luis Valley (7500 feet ASL). Noticed their daytime temps are mid-30's and overnight lows zero or below. Get that heighth

advantage. In fact, is the road to atop Pikes Peak open this time of year? That would be the ultimate FYBO at near 14,000 feet!

I know some of the NM and AZ gang is heading for Pine Top, AZ again where we operated from last year. High in the pines, and might be cold for them.

Thanks for your pre-FYBO tips. Sounds like you're gonna have fun. BTW, where in Colorado is Mt. Webster?

72, Paul ... maybe NA5N/0 from chilly southern Colorado

Date: Tue, 19 Jan 1999 12:26:12 EST
From: Ed Loranger <we6w@juno.com>
To: rwc@frii.com
Cc: qrp-1@Lehigh.EDU
Subject: [30193] Re: OHR-100(A) building Project.
Message-ID: <19990119.092053.8087.2.we6w@juno.com>

On Mon, 18 Jan 1999 20:52:08 -0700 K0RWC <rwc@frii.com> writes:
<snip>

>If your Caps. are like mine, inspect the brass tuning screw with a
>magnifying glass. My Caps. have two VERY small dimples on one side of
>the screw driver slot. When the dimples face the small flat spot of the
>capacitor body the plates are fully meshed. When the dimples face the
>larger rounded part of the Cap body, the plates are fully open. I set
all
>mine at the mid point, and followed the alignment procedure in the
manual.
>When I
>was done, all Caps were about 1/4-1/2 rotation from the fully meshed
>position. :-) Oh yeah, learned that from Dick too. Like all our
>suppliers,
>Dick and OHR is "good stuff"! I'm very pleased with my '100A and the
>support I've received from Dick.
>

Hey Rod, I just picked up my email today and found your message.
Yeah, I figured this out last night. Yesterday I posted I
was going to measure the 16 MHz peaking filters and sure
enough, I tested those closed-body capacitors.

BUT, I measured these as FULLY Meshed when the two dimples are pointed at the ROUNDED end of the body. And unmeshed when pointed at the flat spot. Additionally, all of the capacitors on the board that I had not adjusted were still as I received them, with the dimples toward the rounded end, away from the flat spot. Usually capacitors come fully meshed and my measurements prove the frequency is higher in the tuned circuit when the dimples are pointed at the flat end.

This is good news to have. Now I don't mind these critters so much. Though it is nice to be able to see where the plates are :)

I really appreciate the information you shared. Especially tuning L114. I added a turn to it cuz I didn't like all them bunched up turns :)

This rig is DONE. Had my first QSO on it last night. Wouldn't you know it, with the lid off this rig, I get that KSRO AM station. So I grounded the IF XTALS and that helped, but the SA602 probably should be shielded. The xtal grounding helped, but putting the lid on the rig totally eliminated any signals from the AM Station. That's how bad I've got AM QRM here. Comes from the light bulbs, I tell ya!

Gotta run. Nice chatting again with you.

-Ed

72, Ed WE6W, AR Millennium QSO's=140/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 19 Jan 1999 12:34:00 -0500 (EST)
From: "Leonard J. Barish" <barish@kutztown.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [30194] 38 Special Capacitors
Message-ID: <Pine.GS0.3.96.990119121521.13994B-1000000@kanga>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am currently doing the 5 Watt Mod for my 38 Special and found that it

requires C26 to be changed to a 330pF capacitor. What would be the voltage handling ability of this capacitor? I have a box of assorted disc capacitors and wonder if I can use one of them. This brings up the obvious question: What actually is the functional difference between disc, mono, polystyrene, tantalum, or silver mica capacitors. It's easy to find "kits" of different resistors and "disc capacitors" but does anyone sell "kits" of these different types. Also, what would happen if I use the T0-220 mounting kit from Radio Shack which doesn't come with a nylon screw to mount my IRF510 to a San Luis Machine Company enclosure?

72

Len

```
*****
Len Barish  N2BSC                      ITVA
Department of Telecommunications        ARRL
Kutztown University                    DLARC
Kutztown, PA 19530                     NORCAL
Phone (610) 683-4490                   Norcal 40A
FAX   (610) 683-4659                   NW 8020
*****
```

If the whole world is a stage, I want better lighting.

```
*****
```

Date: Tue, 19 Jan 1999 09:39:23 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@lehigh.edu
Subject: [30195] SOLD: IC720A
Message-ID: <199901191739.JAA14528@heracles.llnl.gov>

The IC720A that I mentioned here a few weeks ago as been sold by the executor of the estate to W6LL in Oakland CA. There is still a 2KW amp available...!!!

K7GT

Date: Tue, 19 Jan 1999 12:37:26 -0500
From: "Dick Witzke" <qrp@ohr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [30196] Server Problems
Message-ID: <00c301be43d2\$61cd7300\$95b48ecf@ohrqrp>

Hello All,

Our internet server has been down for the past 24 hours. All mail was lost.
If you sent us E-Mail, please try again.

Dick Witzke, KE8KL
Oak Hills Research

Date: Tue, 19 Jan 1999 12:47:04 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [30197] SWR readings
Message-ID: <36A4C518.4683B8B0@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Question. I have a MFJ 971 protable antenna tuner (that's what MJF calls it). If I put my 51 ohm dummy load on the antenna side and my transmitter on the transmitter side then tune it for a 1:1 SWR reading then replace the dummy load with my antenna, will the resulting SWR be the same reading that I would get if I used a standalone SWR meter?

TIA

Ed Kwik AB8DF Waterford, MI

Date: Tue, 19 Jan 1999 12:58:01 -0400
From: Chuck Leskie <cleskie@um-f1.umd.umich.edu>
To: qrp-l@lehigh.edu
Subject: [30198] Re: opinions on MFJ-40 meter rigs
Message-ID: <36A4B998.E4D4949@um-f1.umd.umich.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

JEFFREY MICHAEL POULIN wrote:

>

> Dear Gang: I was thinking of getting one of the MFJ 40 meter CW rigs as a
> backup and for emergency use. I have no talent for building kits so the
> pre-built MFJ seems good for the cost, especially a used one. However, a
> buddy recently worked a couple of them on 40 meters and said they were

> drifting all over the place. Is this a common problem with them?
>
> Your opinions about these rigs would be welcome. Please respond to me
> direct and I'll post the results to the reflector. Thanks in advance.
>
> Jeff/KF4JSV QRP-L # 743 FISTS # 5497
> Manassas, VA
>
> PS: I'm still restricted to the Novice portions, although I hope to correct
> this by Spring.

Jeff

I use an MFJ 9040 regularly and really like the rig but that's not to say that it doesn't have a few weak points.

1. The audio output is a bit weak
2. When I first got the rig it had a drifting problem

As far as problem one is concerned, I picked up an amplified outboard speaker for twenty dollars at Radio Shack. Now I have plenty of audio.

As for problem two, I called MFJ and they told me they were aware of the problem with drifting and they sent me a fix. The fix was two caps. c32 and c33 on the diagram. For the most part, that fixed the problem, except during large temperature changes such as you find outdoors. If you use the rig outside, it would be wise to shield it from wind and sunlight as best as you can. If you use the rig indoors, I doubt that the drifting will be a problem.

I assume that the fix that MFJ sent me is now standard in newer models so you shouldn't need to hassle with that.

Overall, I really like the radio. I also have the matching tuner as well. It's a nice combo.

Chuck

Date: Tue, 19 Jan 1999 12:53:24 -0500
From: "Dick Witzke" <qrp@ohr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [30199] test
Message-ID: <000901be43d4\$9d2dba20\$cbb48ecf@ohrqrp>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

test

Date: Tue, 19 Jan 1999 09:54:02 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@lehigh.edu
Subject: [30200] TCI RFI from Wireless Modem Jacks
Message-ID: <199901191754.JAA14574@heracles.llnl.gov>

About half of my weekend was spent in some way involving the TCI wireless modem jack problem. I was able to locate a few more and have the TCI guy working them. One that had been removed/replaced last week turned out to be back on at another slightly different frequency (~3517 instead of ~3524), to both his and my disappointment. It should be fixed by this evening, though. I found the first non-TCI device also. It was three houses away (I can see their back porch from my station console) and was a killer signal. I was able to work with him and he is going to return it to COSTCO(\$49.95...) for his money back and do a direct-wire link for his FAX!!! I have never used my scant personal charm as effectively as working with this man (a former opponent in my antenna mast application process...).

The local TCI guy is going to get me a nationwide contact name as well as, hopefully, a copy of the original TCI memo of 24 Dec to the local offices making this cleanup a FIRST PRIORITY. This should be useful to get through the front offices of those stonewalling us.

In our sweeps around neighborhoods with the IC706 and a Hamstick, we found that the signals easily could be heard for up to a mile. The biggest problem is they are so overlapping that another one would grab the S-meter... Gene, K6TTM, should now start to get some relief as well, though, as we identified three big sources. One device, S9+20 at his home, was a full 5 blocks away and fully 'pinned' the bar-graph S-meter on the 706 as we drove by. Then others were barely S9 at closest approach.

The problem is being worked. TCI is replacing them, at least here. But one needs to follow their efforts closely. I am in daily contact with him and give him a report on what their day's efforts yielded. You cannot sit back and wait for this one to go away. Put a rig in your car and drive around the neighborhood, listening to a 'hot' one. Contact the people in the house if you feel up to it, and verify their TCI Digital Cable TV connection or perhaps some other use (private) of these devices. Here, at least, 95% is from TCI.

The ARRL was instrumental. Ed Hare was my first point of contact back in December, as was Brad Wyatt, K6WR, an ARRL guy out here on the West coast. Like them or not, they have done us all a great service. (I like them)

Back to our regular programming...

Allan K7GT Pleasanton CA

Date: Tue, 19 Jan 1999 13:02:21 -0500
From: "Dick Witzke" <qrp@ohr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [30201] test
Message-ID: <002301be43d5\$dcef06e0\$cbb48ecf@ohrqrp>

Date: Tue, 19 Jan 1999 10:37:38 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@lehigh.edu
Subject: [30202] RFI problem-Phonex 800 number
Message-ID: <199901191837.KAA14753@heracles.llnl.gov>

The devices referred to in my recent postings are generally installed by TCI. But not all. They are also sold by COSTCO, Radio Shack, and other retailers. If you should encounter a set of these devices, the number to call for a replacement pair is 800-437-0101. Its their customer service line and they have designated it as the point of contact for amateurs dealing with their devices. TCI should be contacted for theirs, of course, but if all else fails, Phonex should be able to replace them with a call to the above number.

By the way, the unit on the cable TV box end is the bad boy. On all the time and in 80 cw band, ~3520.

Allan K7GT Pleasanton CA

Date: Tue, 19 Jan 1999 10:31:59 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <cdd@bellatlantic.net>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>
Subject: [30203] Re: For Sale: OHR500 needs assembled/Question
Message-ID: <337301be43da\$02ca81b0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Curt said:

>...Also can someone please tell me where everyone is getting this WBL
>paddle?
>Everytime I ask a person on this list who says they have one, I never
>hear from them? :-)
>
> Thanks Curt

I sent you the following message directly. Did you not get it?

Mike K1MG

>>
Curt --

The WBLs are made by Stan W9WBL. He is great to talk to on the phone.
His products are half the cost of the Schurr paddles, too. They are
big and heavy, and have a unique design. Chuck has photos on his web
page.

WBL Design, 6345 Coffman Road, Indianapolis, IN 46268-2591, phone 317
291-1738

gl
Mike K1MG
<<

Date: Tue, 19 Jan 1999 13:40:41 -0500
From: cdd@bellatlantic.net
To: qrp-l@Lehigh.EDU
Subject: [30204] TNX ALL on WBL info

Message-ID: <36A4D1A9.6C8D39F7@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Have WBL info now and TNX much!! Curt/K3ivb

Date: Tue, 19 Jan 1999 10:40:24 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <jwodel@ameritech.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [30205] Re: fancy keys
Message-ID: <33ac01be43db\$2fe0e800\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

W8GND said:
>It is my opinion that the price of the paddle is inversely
>related to the quality of the sending.

Now I know why my sending has gone downhill! If I could afford a
Mercury, I'd be reduced to a blathering idiot. (Hey, easy now.....I
know what you're thinking.....be nice.) :-)

Mike K1MG
Saratoga, CA

Date: Tue, 19 Jan 1999 10:40:14 -0800
From: Mike Leister <leister@baghwan.nsc.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Cc: "'SABorns@aol.com'" <SABorns@aol.com>
Subject: [30206] RE: QRP TV
Message-ID: <01BE4398.19883740@chippewa.nsc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Steve,

I am slowly working my way toward adding a digital video camera to my RC = plane, but don't expect to get there for a couple of years. I am = considering QPSK at 2.4 GHz so that I can try flying using real-time = video as feedback. I work for NSC Wireless and will use one of the new = transceiver chips. If you come up with an analog solution, I would like = to hear about it.

I lost the bookmark when my PC crashed, but there is a guy in Australia = that is doing RC video, and has several video clips you can look at. = The resolution is not high, but it still looks cool. I found it by = searching with something like:

"RC" AND "plane" AND "video"

Mike

-----Original Message-----

From: SABorns@aol.com [SMTP:SABorns@aol.com]

Sent: Tuesday, January 19, 1999 7:32 AM

To: Low Power Amateur Radio Discussion

Subject: QRP TV

Gang,

Has anyone out there in QRP land ever done any work with QRP TV? =

Specifically

R/C aircraft equipped with a camera and transmitter. The camera doesn't = appear

to be a problem as there appear to be inexpensive off the shelf models available. Any ideas on a low power transmitter?

73, Steve K8IDN

Date: Tue, 19 Jan 1999 12:46:06 -0600

From: "Robert B. Callahan" <rbcallahan@juno.com>

To: Qrp-L@lehigh.edu

Subject: [30207] It sold Locally

Message-ID: <19990119.124607.4078.1.RBCallahan@juno.com>

The OHR100A sold in less than an hour!!!! Locally. Fellow ham employee wants it for 90 bucks..... Its gone!!!!!!!!!!!!!! Its gone!!!!!!!!!!!!

Bob Callahan

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 19 Jan 1999 22:52:39 +0200
From: Yaacov@barcode.co.il
To: qrp-l@Lehigh.edu
Subject: [30208] RE: Receiver kits and project ideas.
Message-ID: <9901200155.AA0192@Yaacov>
Mime-Version: 1.0
Content-Id: <66_97_1_916797159>
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, I have been into that site. The links to the D-C receiver and other stuff do not exist!

73,
Yaacov Yossef 4x6hy

> From: "Sam Billingsley" <SBillingsley@usaninc.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: RE: Receiver kits and project ideas.

>
> WOW!!!!!!!!!! ;-);-);-)
>
> I'm blown away by the quality and quantity of the Web Site. It is MUST
> viewing by ALL QRP home builders.

(snipped)

> > From: Harry, WA3PTG [SMTP:hhurst@delaware.infi.net]
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Receiver kits and project ideas.
> >
> > Take a look at: <http://www.qrp.pops.net/qrp/default.htm> it might not be
> > the
> > answer but it looks VERY interesting to me.

Date: Tue, 19 Jan 1999 11:55:16 -0700
From: tom whalen <wb5qyt@eFortress.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30209] mobile on 28.060
Message-ID: <36A4D514.889@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Had a nice qso on the way to work yesterday with N3VJV! Im going to be on 28.060 daily as I truck to work. Listen for me from 2050 till about 2125. Will be running 5w(hi)..2w(low) into a 102 in whip.Rig is a HTX-100.

Hope to work a fellow QRp-Ler!

72, Tom WB5QYT/qrpm

Date: Tue, 19 Jan 1999 12:04:08 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30210] Son of a Fireball..28.060
Message-ID: <36A4D728.555D@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Like a bunch of you, I have ordered the little 28.060 xtal. I was thinking of using it with a buffer/amp circuit, or maybe just with a Pierce oscillator circuit with a tuned output. Thinking about using a 2N3866 NPN transistor that should give me one watt out...

Im hoping this thing won't chirp...quess if it does will add one of those keying circuits that uses the 2N3904.

BTW: I do have a pretty simple circuit to use if any others are interested.Any other ideas would be appreciated...thx

72, Tom WB5QYT/qrp

Date: Tue, 19 Jan 1999 12:19:30 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30211] FYBO....op's wanted!
Message-ID: <36A4DAC2.3EC6@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

The spud gun is loaded, batteries charged, wire untangled, sling shot
for backup, case of beer....OH NO!.....just kiddin bout that last
entry!

Looking for a place to land for FYBO..Like Paul says..."Warmer here than
in Fla.

Anyone wanna get together for a joint effort? Don't really wanna travel
too far, but will go an extra mile for an extra degree maybe!!

72, Tom WB5QYT.."Have spud and bug will travel!"

Date: Tue, 19 Jan 1999 13:48:29 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@lehigh.edu
Subject: [30212] RE: ZL9CI how often is log updated?
Message-ID: <49710.owen@piper.eeel.nist.gov>

In message Mon, 18 Jan 1999 22:30:51 EST, PUNISHER3@aol.com writes:

> Hi Guys. I worked ZL9CI today qrp on 10m Does anyone know how often the logs
are
> updated onto the internet?
>
> Thanks,
They say about every two days.
72 Jim K4CGY

Date: Tue, 19 Jan 1999 12:36:48 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>

To: Brad Hernlem <alihernlem@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30213] Re: Varactor tuned oscillators
Message-ID: <Pine.BSI.3.96.990119122358.12953A-100000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is a very common problem with microwave VCOs, and we would generally limit the voltage across the varactor by placing a small cap in series. Obviously, this limits your tuning range, but you can place two varactors in series and obtain the same results, and at the same time preserve your tuning range.

Another option is to look at a Clapp or Lampkin circuit. The Lampkin is a tapped inductor version of the Clapp. Still better is the Vackar, which has Q characteristics which will cause the circuit to have a constant amplitude. For wide tuning ranges, the tapped tank inductor approach is best as you have a constant voltage feedback ration, whereas with capacitive divider tanks (ie - Colpitts) the voltage ratio will vary with frequency. Nice aspect of the Clapp is that you can put the varactor at the bottom of the tank inductor, where the voltage swing is lower.

A good reference for VCO topologies is "The Radio Engineering Handbook, 5th ed.," (1959, Wiley) edited by Keith Henney. It shows all of the LC oscillator topologies (including both Vackar types), plus gives formulae for the component values. Okay, so it's tubes. So what? Real radios glow in the dark and keep your coffee warm.

I gotta go.

On Tue, 19 Jan 1999, Brad Hernlem wrote:

> Now to the questions and observations.....

>

.

.

.

>

> It seems apparent that when using varactors to tune such an oscillator
> either one needs to use a small series cap to limit the RF swing across
> the varactor (which would severely limit the range of the varactor
> effect on the circuit) or it is necessary to limit the amplitude of the
> oscillator. This subject is poorly treated in the ARRL and other radio
> literature that I have been exposed to.

>

> What are your observations about the use of varactors for VFOs? What are
> your recommendations to effectively use varactors while suppressing

> harmonics and other distortion (brute force filtering excluded)?
>
> Thanks.
>
> Brad
>
>
> -----
> Get Your Private, Free Email at <http://www.hotmail.com>
>

```

      /-----\
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```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Tue, 19 Jan 1999 14:44:09 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: ataylor@heracles.llnl.gov, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30214] RE: TCI RFI from Wireless Modem Jacks
Message-ID: <21E06269B00ED111BE9B00805F6D0FA35DE0A5@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

>>>snip >>>

> In our sweeps around neighborhoods with the IC706 and a Hamstick, we found
> that
> the signals easily could be heard for up to a mile. The biggest problem is

> they
> are so overlapping that another one would grab the S-meter... Gene, K6TTM,
> should now start to get some relief as well, though, as we identified
> three
> big sources. One device, S9+20 at his home, was a full 5 blocks away and
> fully
> 'pinned' the bar-graph S-meter on the 706 as we drove by. Then others were
>
> barely S9 at closest approach.
>
 >>> snip >>>

This seems like a good project to use a small DF loop antenna for both for the sensitivity and direction finding aspects. Some of the "older" ARRL Handbooks should have some useful homebrew antenna designs. Typically like the ones used for transmitter hunting contests.

Is this a regional or national problem? I haven't heard anyone mention it in the Atlanta area but I may just be too far out of touch to know.

Sam Billingsley AE4GX Atlanta,GA

Date: Tue, 19 Jan 1999 15:13:59 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <Yaacov@barcode.co.il>
Subject: [30215] RE: Receiver kits and project ideas.
Message-ID: <004401be43e8\$3fbf06f0\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Yaacov... nice to see you again... if you mean the "Ugly Direct" DC RCVR it IS there... sometimes I have had my web browser tell me a link wasn't there when actually somewhere along the line (usually at the intended web site) things were just busy. When you get multiple messages about that, where-as in this case-many/most of them seem to not be there, it is a good sign that things are busy-unless there was a big "UNDER CONSTRUCTION" notice somewhere. The only other possibility is that your version of web browser might not "like" something being done at the site, and needs updating. I

didn't try 'em all just now, but did try 4 or 5 and they all ran fine using both MS Internet Explorer v5.00 and Netscape Communicator 4.5 . So, give it another try... it's worth the effort.

Date: Tue, 19 Jan 1999 15:19:02 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: Yaacov@barcode.co.il, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30216] RE: Receiver kits and project ideas.
Message-ID: <21E06269B00ED111BE9B00805F6D0FA35DE0C5@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Try again. The following is a short clip from the narrative following =
the
diagram. I just pulled it up.

Sam AE4GX

>>>>>snip from DC receiver section

Above is the schematic for the main guts of a simple direct conversion receiver. Although designed for CW usage, it is easily altered for SSB receiving by changing the resistors in the low pass filters. Noteworthy =
is
the apparent lack of AF preamplification. This is intentional. While =
not ear
shattering, this receiver's output signal is relatively noise-free and moderately loud with low distortion.....
=A0=20

> -----Original Message-----

> From: Yaacov@barcode.co.il [SMTP:Yaacov@barcode.co.il]

> Sent: Tuesday, January 19, 1999 3:53 PM

> To: Low Power Amateur Radio Discussion

> Subject: RE: Receiver kits and project ideas.

>=20

> Well, I have been into that site. The links to the D-C receiver and =

other
> stuff
> do not exist!
>=20
> 73,
> Yaacov Yossef 4x6hy
>=20
>>>snip>>>

> > From: Harry, WA3PTG [SMTP:hhurst@delaware.infi.net]
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Receiver kits and project ideas.
> >=20
> > Take a look at: <http://www.qrp.pops.net/qrp/default.htm> it might =
not be
> > the
> > answer but it looks VERY interesting to me.

Date: Tue, 19 Jan 1999 13:08:10 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [30217] Sierra PA Xfmr Mod
Message-ID: <36A4E62A.CFECB4E9@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Folks,

If anyone has done the 4:1 impedance output transformer mod for the Sierra, I'd appreciate a little elmering on how the toroid is wound and wired in. I can understand most of the posts about the mod but it is still unclear how the toroid is wound and wired in.

tnx es 72 - john - n0hj

John A. Evans, N0HJ Chief Systems Administrator
Office: (719) 528-1800 x164 Titan Software Systems
Fax: (719) 528-1888 1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Tue, 19 Jan 1999 15:32:20 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@lehigh.edu
Subject: [30218] crystal
Message-ID: <26873-36A4EBD4-61@mailtod-141.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

TNX FOR ALL THE REPLIES ON THE VECTRONICS CRYSTAL
HAVE ONE ORDERED FROM MFJ....TU 73 PAT/K8LEN

Date: Tue, 19 Jan 1999 15:34:37 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@lehigh.edu
Subject: [30219] MFJ
Message-ID: <26871-36A4EC5D-70@mailtod-141.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

MFJ RIGS.....
I OWN 4 DRIFT FREE, WRK GREAT MADE OVER 700 QSO'S ON CW(OBVIOUSLY) LAST
YEAR ON THE MFJ 40, 30,20 MTR RIGS, 73 PAT/K8LEN

Date: Tue, 19 Jan 1999 13:59:58 -0500
From: W5TB <w5tb@SoftHome.net>
To: RangerSF5@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30220] Re: opinions on MFJ-40 meter rigs
Message-ID: <v04011702b2ca864fd14f@[10.4.12.213]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:20 PM -0500 1/19/99, RangerSF5@aol.com wrote:

>Jeff,
>I have been using the MFJ rigs for years.
>Most guys out there don't know how to tune the simple little rig.
>The very early rigs did have a drift problem but that has been solved.
>As for *Drifting all over the place*, I never had one that did.

jeff -- my experience also. I have 20 meter version and have enjoyed it trouble free for years. A good choice if you don't have time to build.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Tue, 19 Jan 1999 15:45:41 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@lehigh.edu
Subject: [30221] qsl cards
Message-ID: <26878-36A4EEF5-40@mailtod-141.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

does anyone know where to get a low priced qsl card. use to buy them at hamfests blank cards ...(Stick on ur own call/adr) from a place called the forward co....anyone know of this company or a low priced qsl card?
tnx 73 pat/k8len

Date: Tue, 19 Jan 1999 20:53:32 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [30222] OHR-100A Project.
Message-ID: <36A4F0CC.42F9@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang, the 100A is totally done.

Made a few more qso's this morning. Finished it at 1:30 AM last night. I got home late.

The GDO did the trick on the 16 Mhz peaking filters. One toroid needed 15 turns, the other 16 turns. Nice drive signal to the frequency counter now.

Getting a perfectly flat 5 watts output from 7.0003 to 7.071.7 MHz.

Operating the rig with the top off is NOT Recommended. My QRO AM BC station comes right in from the top of the rig. I grounded the IF Xtals and this made the rig almost AM Clean with the top off. The 9 MHz xtal next to the RX SA602 should probably be grounded too. With the RF Gain backed off a bit, all is fine.

Just like my OHR-100 original, the center wire of the keying line, when touched, will detect the AM BC station. Not normally a problem, but I don't like not stinkin' AM BC "Possibilities" no matter what! A .22 uF capacitor across the keying line works well. I have this across my bug contacts anyway. But disconnecting the center wire from the bug gives me S9+30 dB TALK Show information!!! This is much worse than my OHR-100A, due in part I believe to the RF Gain the "A" version has.

This is not a operating problem however. With the lid on and you aren't holding the wire, all is fine.

I spent at least an hour perfecting the output power linearity at 1 Watt. AT 5 watts the power is PERFECTLY FLAT across the band. What a nice flat output.

This rig is done. Stable. Fun.

Tonight I'll double check the RX chain is peaked. Just scope the R137 resistor on the Audio chain and peak up a weak signal -- I use my pixie2 in the next room or with no antenna.

Works great. And you can NEVER go wrong with the pixie2 used to set your TX offset! Listen to the pixie2 on your main rig, then listen to your main rig and adjust offset to zerobeat on the pixie2. I use the switched capacitor offset on the pixie2 and leave it on frequency so a NULL zerobeat is obvious.

I did have a scare. Worked a guy last night. He is about 1 KHz below me -- tell me I am zerobeat! BS! BS! <Bad Signal>

I double checked on the pixie2 and I was dead on. This morning I looked for a 2nd and 3rd opinion. Yup! Dead On! That other guy must have had a separate RX or bad RIT or something.

This is a 40 Meter OHR-100A. The little capacitors come with the plates fully meshed. The little dots on the adjustment head point AWAY from the Flat spot as received. I measured the resonant frequency of the 16 MHz peaking filters with these little tuning capacitors at different positions and have verified that the plates are fully unmeshed when the dots are pointing to the flat side, and fully meshed when pointing at the rounded, or non-flat side of the tuning cap body.

Not so hard to figure out after all. Glad I have a GDO. Oh, to use the GDO with toroids, just solder a wire loop passed thru the center of the core. Couple TIGHTLY to the GDO to find the first dip (In the ballpark), then gradually decouple until about 1 to 3 inches away from the coupling loop (Very Loose coupling) to get the dip within a couple of Hz. A remote RX with freq counter serves to measure the frequency accurately enough for a tunable circuit like this. On toroid needed 15 turns, the other 16 turns. I set the tuning caps mid-way between the flat and round spots of the tuning capacitor body, then tweaked the toroid while observing the osc-output signal peak. Then repeated for the other toroid. Final touch up with capacitors after locking the cores down with my trusy Polycel Foam insulation. (A miniscule amount goes a LONG WAY!)

Polycel expanding foam about the thickness of the 26 awg wire will grow about 1/2 inch in height! So don't use much! This polycel foam does NOT affect tuning at all. Even when wet. Expands and dries in about 20 minutes when carefully warmed under a 60 Watt light bulb at 1 foot away. Observe all precautions on the can. Std. disclaimers. I got mine at HomeBase hardware store.

End of story. Success. Time to build something else!

-ED

--

-Ed AR QRP Millennium QSO's=142/2000

72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 19 Jan 1999 16:03:29 -0500 (EST)

From: Bob Patten <n4bp@bc.seflin.org>

To: Paul Harden <pharden@aoc.nrao.edu>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [30223] Re: Pre-FYBO adventure NO JOY!
Message-ID: <Pine.3.89.9901191636.A28109-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 19 Jan 1999, Paul Harden wrote:

>
> It's way too warm here in New Mexico to consider FYBO points. It
> was in the 60's mid-day yesterday. It has been a very mild winter
> throughout most of the west and southwest. I mean, N4BP in
> Florida could out-do us this year :-)
Not quite, Paul! It's been in the 80's here for the past few days...
This is BUBBA country!

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 19 Jan 1999 13:21:38 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30224] Re: ARRL (was: TCI RFI...)
Message-ID: <36A4F762.B767484B@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Allan G. Taylor wrote:

>
> The ARRL was instrumental. Ed Hare was my first
> point of contact back in December, as was Brad Wyatt, K6WR, an ARRL guy out
> here on the West coast. Like them or not, they have done us all a great service.
> (I like them)

All you guys who like to talk about how the ARRL is just a big publishing house
that doesn't care about the future of ham radio (etc.), pay attention! What do
you think W5YI, CQ, or Wayne Green will contribute to solving this problem?

73,

Vic, K2VCO
Fresno CA

Date: Tue, 19 Jan 1999 15:36:10 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-1@Lehigh.EDU
Subject: [30225] Re: Son of a Fireball..28.060
Message-ID: <v01540b03b2ca9806e70e@[157.142.56.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Before shipping off the first group of oscillator orders this morning, I played around with one in a very simple circuit last night. I got about 40 mW output into my antenna - hey, the field strength meter showed that the signal was really making it out of my backyard!

I listened to the sound of the oscillator in my Drake R-2B receiver. Actually, it didn't sound back - a little "hard" but no audible chirp. The thing puts out something like a kinder, gentler version of a square wave, but still sounds pretty good. We'll probably want to put a filter on the output just for neatness sake (although I'd bet that this thing is already in FCC compliance simply because the power out is soooo low). What I'm really looking forward to is seeing the results of people's experimenting with these dudes.

Everyone who had gotten their payment to me by Saturday should start getting your fireball within the next few days (DX a little longer).

72 and happy fireballing,
Mike N5JKY
Edmond, OK

>
>Like a bunch of you, I have ordered the little 28.060 xtal. I was
>thinking of using it with a buffer/amp circuit, or maybe just with a
>Pierce oscillator circuit with a tuned output. Thinking about using a 2N
>3866 NPN transistor that should give me one watt out...
>
>Im hoping this thing won't chirp...quess if it does will add one of
>those keying circuits that uses the 2N3904.
>

Date: Tue, 19 Jan 1999 13:57:55 -0800
From: Danh Le <dle@san-jose.tt.slb.com>
To: SBillingsley@usaninc.com
Cc: qrp-1@lehigh.edu
Subject: [30226] RE: TCI RFI from Wireless Modem Jacks
Message-ID: <199901192154.NAA24811@San-Jose.tt.slb.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:44 PM 1/19/99 -0500, you wrote:

> This seems like a good project to use a small DF loop antenna for
> both for the sensitivity and direction finding aspects. Some of the "older"
> ARRL Handbooks should have some useful homebrew antenna designs. Typically
> like the ones used for transmitter hunting contests.
>
>

Hi Sam,

I used a portable shortwave receiver (mine has digital display, AM only) to find out where the RFI is coming from. Walking toward the 2 wireless phone jacks (yep, I am so unfortunate to have 2 of these installed in my backyard - The previous owner(s) had 2 lines into the house!) , the signal is getting louder. Putting the receiver (tune to 3520khz) next to the power line where it is tapped to the jack, the signal is so loud, I could not believe it myself! I have this noise generator right next to my shack for the last 2 years! I knew about the QRM but did not know where it is from.

I made a phone call to the local TCI office, they promise to send some one to the house to check it soon! The tech I talked to seemed to know about the problem already!

> Is this a regional or national problem? I haven't heard anyone
> mention it in the Atlanta area but I may just be too far out of touch to
> know.
>

Pretty much every one in the Bay Area!

73 / 72 de Dan, ke6d

=====
Danh Le, KE6D, Milpitas CA ke6d@w6yx.ampr.org

Date: Tue, 19 Jan 1999 17:04:49 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: we6w@qsl.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30227] RE: OHR-100A Project and expanding foam
Message-ID: <21E06269B00ED111BE9B00805F6D0FA35E0431@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

The expanding foam sounds like a good idea for the thermal and mechanical securing of the osc. parts. Is it easy to remove the hardened foam if you have to go back in and make a change (heaven forbid) to a component that's under the stuff?

Sam Billingsley AE4GX Atlanta, GA

>>>>>snip>>>>

> Final touch up with capacitors after locking the
> cores down with my trusy Polycel Foam insulation. (A miniscule
> amount goes a LONG WAY!)
>
> Polycel expanding foam about the thickness of the 26 awg wire will
> grow about 1/2 inch in height! So don't use much! This polycel
> foam does NOT affect tuning at all. Even when wet. Expands
> and dries in about 20 minutes when carefully warmed under a
> 60 Watt light bulb at 1 foot away. Observe all precautions on
> the can. Std. disclaimers. I got mine at HomeBase hardware store.
>
> End of story. Success. Time to build something else!
> -ED
> --
> -Ed AR QRP Millennium QSO's=142/2000
> 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 19 Jan 1999 17:08:43 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30228] ZL9CI QRP 5W
Message-ID: <36A5026B.7CC92FA5@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Just got ZL9CI with 5 watts out on 21.025. He's listening up 1
Tom, N1TP, Naples, Florida

Date: Tue, 19 Jan 1999 14:20:15 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@lehigh.edu
Subject: [30229] TCI response to RFI on 80/40 cw bands
Message-ID: <199901192220.0AA15571@heracles.llnl.gov>

I just heard from my TCI contact that there has been a nationwide email sent to EVERY TCI office regarding the wireless modem jack problem. They are to fully cooperate with us in resolving the problem. That said, please politely contact them and work with them in your town.

Enough for now.

K7GT Allan Pleasanton CA

Date: Tue, 19 Jan 1999 16:27:13 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [30230] Thanks!
Message-ID: <199901192227.QAA04745x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Thanks to all who offered suggestions to my power supply question. Thank goodness it was a simpler fix. All I had to do was relocate the transceiver away from the power supply and all works fine! It's weird, I would have never thought that a radio could generate enough spurious RF to affect a power supply..... I learn something new everyday!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
```

Date: Tue, 19 Jan 1999 17:28:54 -0500
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: "Sam Billingsley" <SBillingsley@usaninc.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "_Nogaqrp_List (E-mail)" <nogaqrp@qth.net>
Subject: [30231] Re: Receiver kits and project ideas.
Message-ID: <005001be43fc\$2f5f0ad0\$d70b010a@wil-support1.WILMINGTON.GCI>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sam -- I was blown away too. Had to cancel plans for the next kit and start ordering parts.

>
>I'm blown away by the quality and quantity of the Web Site. It is MUST
>viewing by ALL QRP home builders.
>
>The QRP Homebuilder site is designed and maintained by Todd Gale, VE7BP0

Date: Tue, 19 Jan 1999 16:54:16 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [30232] Milliwatts to Alaska
Message-ID: <36A50D18.53DE@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just worked Chris WL7KY/QRP in Anchorage. He gave me a 519 report at

22:08Z tuesday on 28.023mHz. I was useing my QRP+ with WM-2 in-line and lowered to 30mW. My antenna is a 2 ele quad at 70', QTH Arkansas Ozarks.

He was running 5w, and a solid 559 here. TRY MILLIWATTS!

Looks like 102,900 miles per watt - No worlds record but I do have a little "skip" in my step this afternoon! hi

Jim - KJ5TF ARQRP #2

Date: Tue, 19 Jan 1999 18:10:43 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:pharden@aoc.nrao.edu" <pharden@aoc.nrao.edu>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@LEHIGH.EDU>
Subject: [30233] Re: Pre-FYBO adventure NO JOY!
Message-ID: <199901191813_MC2-673B-7157@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Paul:

We might be able to help you find one or two cold enough spots for FYBO here in ND. Just let me know :-).

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Tue, 19 Jan 1999 17:31:14 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [30234] How low can I go? Milliwatt fever
Message-ID: <36A515C2.3EE7@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Monday I was calling CQ on 21.060MHz and along comes Harvey N6MM/QRP. My 1st RST was 559 not bad for my 50 or 60mW. He was running 3w and also 559. I ran my power down to 28mW and he gave me a 549 - cool, lets go lower! Took it down more to 6mW but he didnt hear me - Up to 11 mW and bingo, he sends me a respectable 519 ! Is this fun or what!

Rig here, QRP+, and 2 ele quad at 70' for 10/15M.

Thanks Harvey - Lets do it again when condx are better.

This Oak Hills WM-2 watmeter in-line sure is the best add-on I've ever had. Makes milliwatting really fun..

Jim KJ5TF AR QRP #2

Date: Tue, 19 Jan 1999 22:28:33 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [30235] Re: Any trouble shooting experts on the list?
Message-ID: <36A50711.117C@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Michael Maiorana wrote:

>

> If it is a linear supply (not a switching supply) troubleshooting should
> be easy. It sounds like the over current protection is activating.

Gang,

I know it's not considered good form to make remarks about spelling etc., but I can tell you I honestly misunderstood the subject of this message completely wrong when I saw it first on a reply message.

Not reading all messages from beginning to end, and even worse, not all of them in logical order, I wondered if it was a figure of speech or that the discussion on the list had taken a sinister turn. Having trouble in shooting the experts on the list?

Not reading the first lines of the message quoted above I noticed what was really intended. I do hope the trouble has been shot by now, as is usual in this expert forum, hi.

73, oh2zaz

--

Arjen Raateland

SAS Support

Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Tue, 19 Jan 1999 18:43:02 EST

From: w4pj@w4bkx.ampr.org

To: qrp-l@lehigh.edu

Subject: [30236] XQ0Y (Juan Fernandez Isl.) on 2 Watts

Message-ID: <43609@w4bkx.ampr.org>

XQ0Y on Juan Fernandez Island has a great signal on 21024 (+/-)

He heard my 2 watt signal and gave me the standard 5NN - but also
said FB UR 2W QRP when I told him my pwr. He's listening up abt 2.

LOG: XQ0Y 19JAN99 2340Z 21024/025 CW 599/599 de W4PJ (My 2w)

de Scott / W4PJ Ft. Lauderdale, FL

T-T Triton @2w (ext VFO split) CL-36 @60Ft. + 100Ft. RG-9913

End of QRP-L Digest 1341
